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# Australian Orchid Review



Royal Botanic Gardens  
Melbourne

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## From the Editor's Desk



When it first started in early 1992, the Orchid Societies Council of Victoria (OSCOV) was instantly criticised as being a "rebel" organisation, not only from a minority in Victoria, but also from other States. Almost two decades on, OSCOV is the major force of orchids in Victoria currently with 30 member societies. The parent body provides guest speakers and judges at their meetings and shows held around the state. The organisation and its members are clearly very proactive in promoting orchids within Victoria and further afield.

For many years now (since 1997) OSCOV has underwritten the highly successful "Victorian Orchids of the Year" initiative. We have been very proud to have showcased the winning plants from this annual competition within the pages of the AOR. In this issue Brian Milligan walks us through the winners, and as you will see from the photographs there are some stunning plants amongst them.

I am aware that other states also present similar awards to their state champions, but who finds out about them? How is it promoted? I wonder what is the point of awards if no one ever hears about them. Again I put out an open invitation to the State Judging Registrars to consider promoting their annual major prize-winners through this magazine. Perhaps it's time for orchid judges, and the exhibitors themselves, to ask why nothing has been done.

Gary Backhouse is fortunate to have the opportunity of studying and photographing orchids in the wild, both within Australia as well as in more exotic locations. In this issue, Gary discusses some of the South African summer-flowering species from the terrestrial genus *Eulophia*. These orchids are still scarce in Australian collections, but as you will see, many of them have significant horticultural merit.

Clive Halls of Mt Beenak Orchids ([www.mtbeenakorchids.com.au](http://www.mtbeenakorchids.com.au)) continues his series on *Masdevallia* breeding with the "spots and dots" hybrids discussed in this issue. Clive will be speaking on *Masdevallias* for the New Millennium at this years Australian Orchid Conference ([www.mosorchid.org](http://www.mosorchid.org)) being held in Victoria from 8-13 September 2009. In upcoming issues Clive will be discussing warmth-tolerant *masdevallias* and boldly coloured hybrids.

Wally Suarez described two new species of *Thrixspermum* from the Philippines. These dainty orchids have very intricate blooms that fascinate those with a passion for the more "botanical" species.

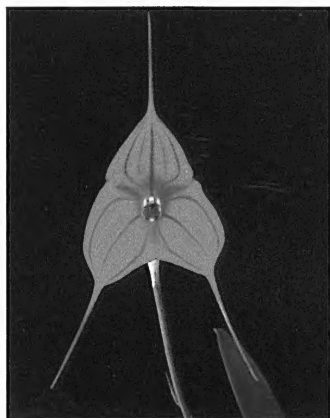
In the comprehensive *Cymbidium* Section, Rob Smith tackles the issue of unethical proliferation practices. It is well-known that there are some operators who will "clone mericlones" before they have even bloomed – obviously without checking they either haven't mutated or been something completely different. It's fitting to discuss this now, as in this issue there are two outstanding first release mericlones from George Serhan. If you want these highly awarded and first class plants, buy them from the originator, they are worth every cent. You all know what I will be thinking if these plants appear in numbers elsewhere in a few years time, as it will take another couple of years before these will be blooming size anyway. Same thing applies to Gordon Giles' *Cym. Wyong Flame 'Dural'*.

My colleagues Mark and Barry have written a fitting tribute to Cathy Mansergh, who sadly passed away in March 2009. Cathy was the contact point for subscribers and general enquiries for the AOR over many years, and would have been known to many of our readers.

David Banks

Australian Orchid Review  
[david@hillsdistrictorchids.com](mailto:david@hillsdistrictorchids.com)

## OUR COVER



**Masdevallia Dazzler 'Beenak'**  
HCC/OSCOV, grown by Clive and Agi Halls of Mount Beenak Orchids, was Victorian Masdevallia of the Year.

Photo: Stephen Early.



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# *Victorian Orchids*





# *of the Year - 2008*



Neil and Fay Alison of Drouin (eastern Victoria) were delighted to win the coveted Gunter Haar Memorial Trophy for the Victorian Cultural Certificate of the Year with their specimen plant of the Brazilian species *Cattleya loddigesii* 'Impassionata' CC/OSCOV. Photo: Warren Simpson.

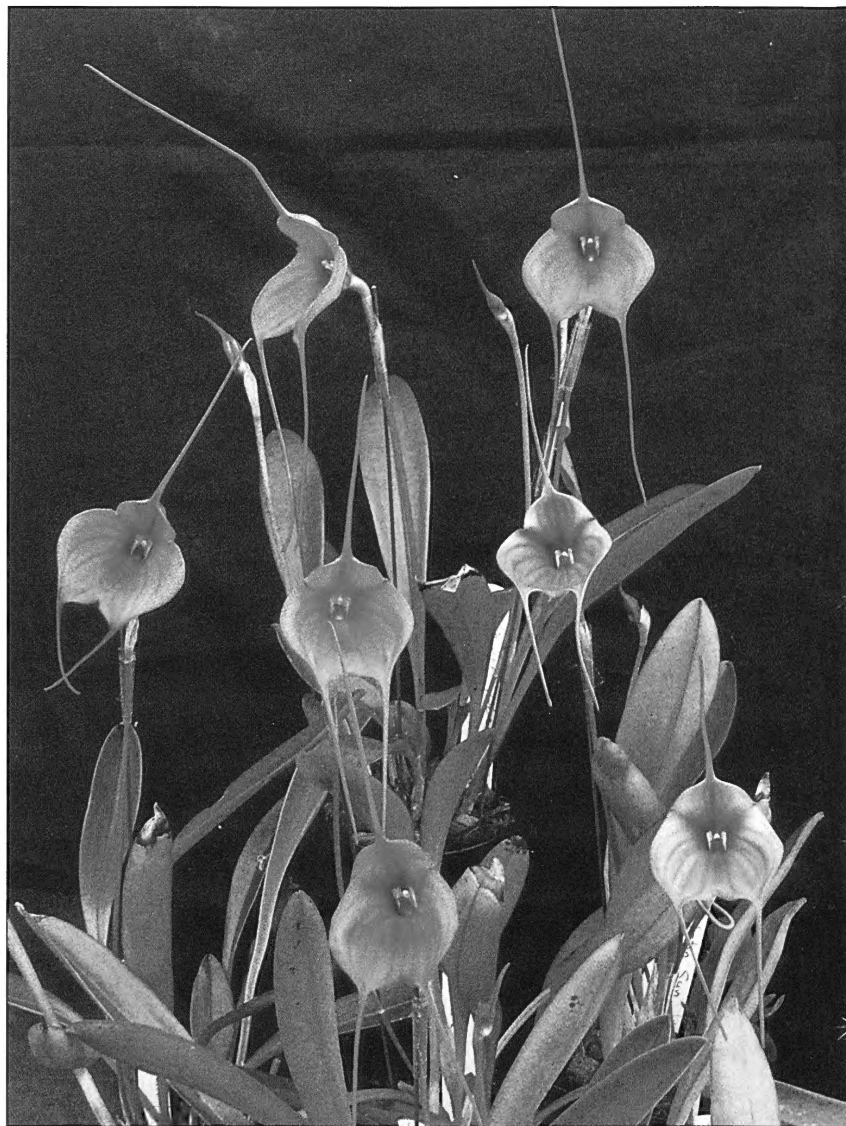


The Orchid Societies Council of Victoria (OSCOV) introduced the annual Victorian Orchids of the Year competition in 1992. Photographs of all orchids that have received OSCOV awards in the current year are considered, together with any others submitted by Victorian growers. Success in this competition relies not only on growing an orchid of award quality but also on taking photographs of a similar standard. As a consequence, those orchids with the highest awards do not necessarily win this competition. Seventy-six OSCOV awards were granted in 2008 (7 Awards of Merit, 37 Highly Commended Certificates, 6 Awards of Distinction, 22 Cultural Certificates, 2 Awards of Quality and 2 Certificates of Botanical Merit). The OSCOV Judging Panel met in February 2009, first to select the winners in the various categories and then to decide the overall winner. Digital photographs, rather than transparencies, have been used for the last two years. The results of the Judges' adjudications are as follows:

The **Victorian Orchid of the Year for 2008** (sponsored by OSCOV) was *Paphiopedilum* Double Arrow 'Castle Creek' AM/OSCOV, grown by John Martin and Andrew Francis of Castle Creek Orchids at Merrigum (northern Victoria). This striking "Maudiae-type" *Paphiopedilum* hybrid was also the **Victorian Paphiopedilum Hybrid of the Year** (sponsored by the Ballarat Orchid Society) and **Victorian Seedling of the Year** (sponsored by Atlantis Orchids as the Harold and Florence Coker Award). John and Andrew will receive a Gold and two Silver Medallions, together with a large framed photograph of their winning orchid.

Neil and Fay Allison of Drouin will receive the OSCOV-sponsored Gunter Haar Memorial Trophy (a large framed photograph of their orchid and an OSCOV silver medallion) for winning the **Victorian Cultural Certificate of the Year** with their magnificent specimen plant of the Brazilian species *Cattleya lodigessii* 'Impassionata' CC/OSCOV. All trophies will be presented at a dinner to be held in conjunction with the OSCOV Show at Springer's Leisure Centre (Keysborough) in August. The winners of all other categories will receive smaller framed photographic prints of their orchids and OSCOV medallions at this dinner.

The **Victorian Australian Native Orchid Species of the Year** (sponsored by the Yarra Valley Orchid Society) was *Dendrobium falcatostrum* 'Baw Baw' HCC/OSCOV, grown by Chris Pegg of Traralgon. *Sarcochilus* Patricia Abell



Victorian Award of Quality for the Year – a group of five seedlings of Masdevallia Latin Sun.

'Missy' AM/OSCOV, grown by Le-Anne and David Brown of Cranbourne, was **Victorian Australian Native Orchid Hybrid of the Year** (sponsored by the Mornington Peninsula Orchid Society).

**Victorian Paphiopedilum Species of the Year** (sponsored by the Stawell Orchid Society) was *Paphiopedilum fairrieianum* 'Merrigum' HCC/OSCOV, grown by John Martin and Andrew Francis of Castle Creek Orchids. Kathie Lam and Jean-François Rossi of Hampton Park won the **Victorian Other Species Orchid of the Year** category (sponsored by the Orchid Species Society of Victoria) with the African species *Cyrtorchis arcuata* 'Lam' CBM/OSCOV.

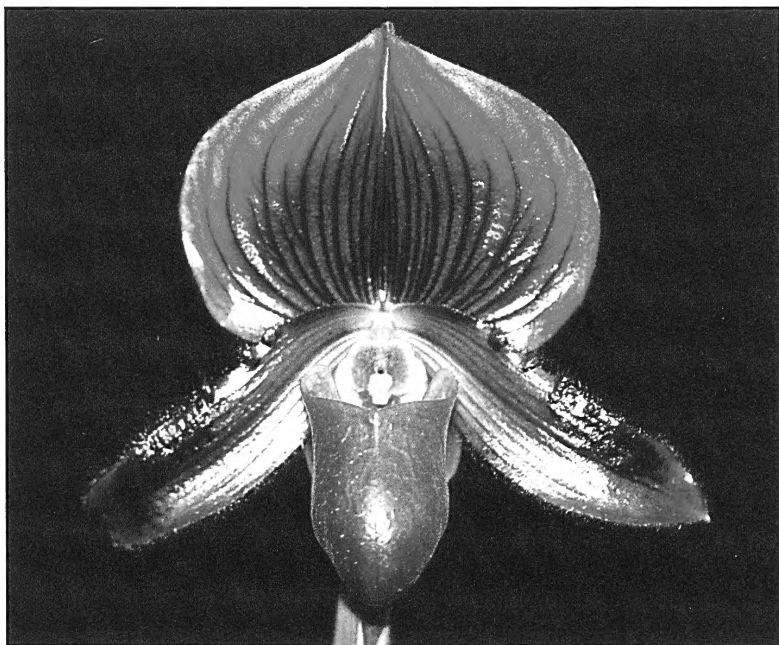
Andy Tran of Doncaster won the **Victorian Cymbidium of the Year** (spon-

sored by the Cymbidium Orchid Society of Victoria) with *Cymbidium* Valley Champion 'Gorgeous' HCC-CC/OSCOV. The **Victorian Cattleya of the Year** (sponsored by the Mid-Murray Orchid Club) was (*Sophrocattleya* Tangerine Jewel x *Thwaitesara* Dal's Emperor) 'Indy', a first-flowering seedling grown by Brendan Larkin of Cranbourne. Once again Clive and Agi Halls of Mount Beenak Orchids have won the **Victorian Masdevallia of the Year** category (sponsored by the Warrnambool and District Orchid Society), this year with *Masdevallia* Dazzler 'Beenak' HCC/OSCOV. They also won the category for **Victorian Award of Quality for the Year** with a group of five seedlings of *Masdevallia* Latin Sun.

Clive and Agi Halls of Mount Beenak

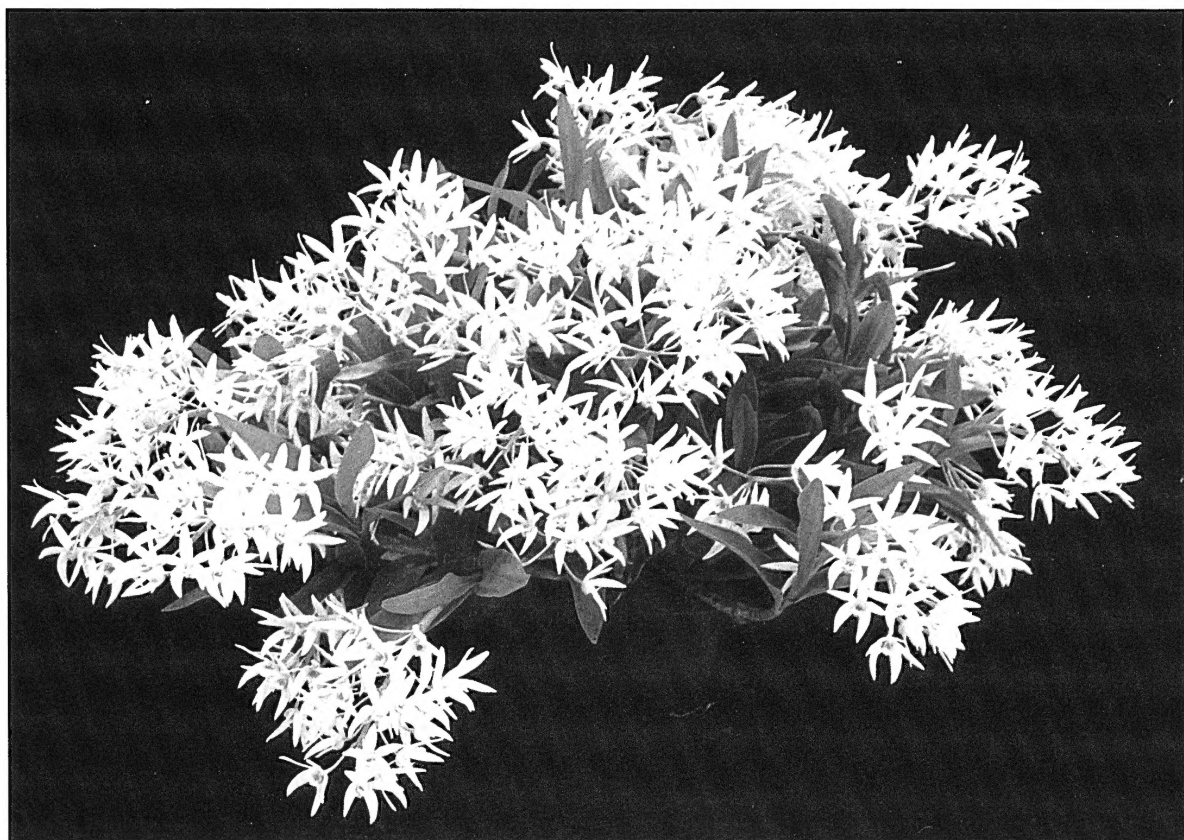
Orchids also won the **Victorian Odontoglossum of the Year** category (sponsored by the Bendigo Orchid Club) with *Odontioda* Mahogany Ship 'Beenak' AM/OSCOV. **Victorian Any Other Hybrid of the Year** (sponsored by the North-East Melbourne Orchid Society) was *Disa* Unifoam 'Belinda' HCC/OSCOV, grown by Eddie Holmes of Colac. Paradisia Orchids won the **Victorian Award of Distinction of the Year** (sponsored by Melbourne Western Orchid Society) with the heavily spotted *Cattleya* Caudebec 'Carmela' AD/OSCOV.

Three professional growers carried off eight of the awards this year, Castle Creek Orchids winning Victorian Orchid of the Year, Victorian Paphiopedilum Hybrid of the Year and Victorian Seedling of the Year with the same orchid (*Paphiopedilum* Double Arrow 'Castle Creek' AM/OSCOV), as well as Victorian Paphiopedilum Species of the Year. Mount Beenak Orchids won Victorian Odontoglossum of the Year, Victorian Masdevallia of the Year and Victorian Award of Quality of the Year, while Paradisia Orchids won Victorian Award of Distinction of the Year. Country growers won the categories for Victorian Australian Native Species of the Year, Victorian Cultural Certificate of the Year



*Paphiopedilum* Double Arrow 'Castle Creek' AM/OSCOV, the Victorian Orchid of the Year and Paphiopedilum Hybrid of the Year for 2008, was grown by John Martin and Andrew Francis of Castle Creek Orchids. It was also Victorian Seedling of the Year. Photo: Michael Matthews.

*Dendrobium falcorostrum* 'Baw Baw' HCC/OSCOV, grown by Chris Pegg of Traralgon (also in eastern Victoria), was Australian Native Species of the Year. Photo: Chris Pegg.







**Above:** Victorian Australian Native Hybrid of the Year was *Sarcophilus* Patricia Abell 'Missy' AM/OSCOV, grown by Le-Anne and David Brown of Cranbourne. Photo: David Brown.



and Victorian Any Other Hybrid of the Year, while city amateur growers won the categories for Victorian Cymbidium of the Year, Victorian Cattleya of the Year and Victorian Any Other Species of the Year.

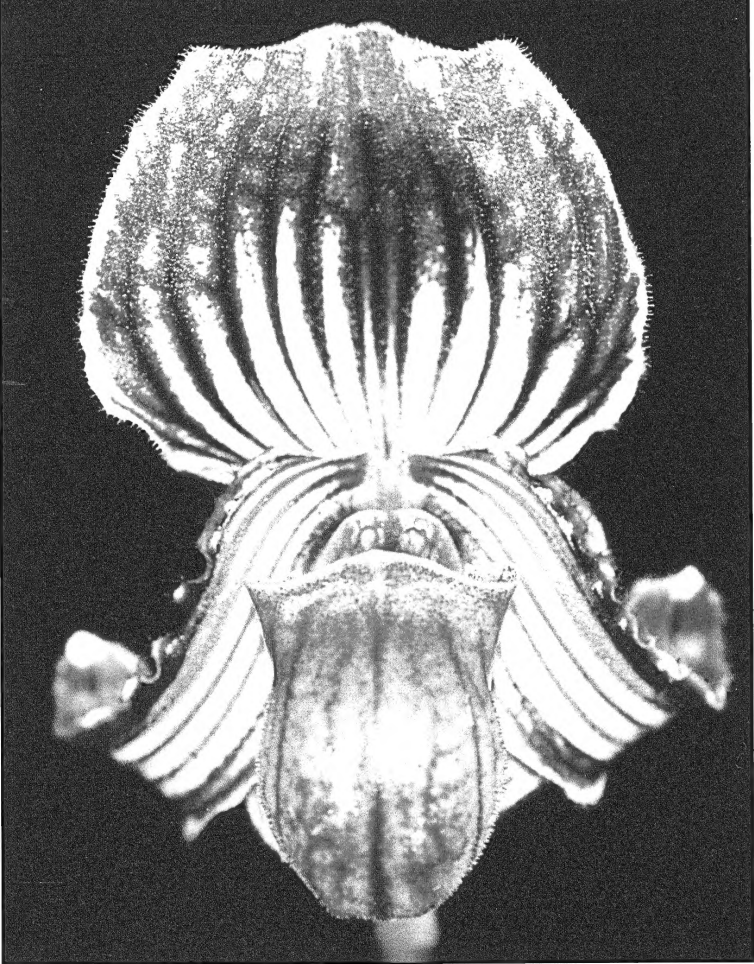
It has been another difficult year for orchid growers in Victoria, because of water restrictions imposed throughout the whole of the state as the result of our ongoing drought. Unfortunately these restrictions seem set to continue for the remainder of 2009 (and probably for several years thereafter), and scorching temperatures during February (up to 46.4 °C in Melbourne, the highest temperature ever recorded here) have severely damaged many orchid collections. Nevertheless, many orchids (and their growers) are great survivors, and I'm sure that many Victorian orchids will still be awarded during 2009.

I thank the OSCOV Awards Secretary (and President), Stephen Early, for providing me with the information and digital photographs used in this article. ■

**Brian Milligan**  
Balwyn North, Victoria

**Left:** Victorian Other Species Orchid of the Year was *Cyrtorchis arcuata* 'Lam' CBM/OSCOV, grown by Kathy Lam and Jean-François Rossi. Photo: Kathy Lam.

**Right:** John Martin and Andrew Francis of Castle Creek Orchids won the Victorian Paphiopedilum Species of the Year with *Paphiopedilum fairrieianum* 'Merrigum' HCC/OSCOV. Photo: John Martin.



**Below:** Victorian Cattleya of the Year, grown by Brendan Larkin of Cranbourne, was (*Sophrocattleya* Tangerine Jewel x Thwaitesara 'Dal's Emperor') 'Indy'. Photo: Barry Larkin.





**Left:** Andy Tran of Doncaster won Victorian Cymbidium of the Year with *Cymbidium* Valley Champion 'Gorgeous' HCC-CC/OSCOV. Photo: Andy Tran.

**Right:** *Masdevallia* Dazzler 'Beenak' HCC/OSCOV, grown by Clive and Agi Halls of Mount Beenak Orchids, was the Victorian *Masdevallia* of the Year. Clive and Agi are regular winners of this category. Photo: Clive Halls

**Below:** Clive and Agi Halls of Mount Beenak Orchids also grew the Victorian *Odontoglossum* of the Year, namely, *Odontioda* Mahogany Ship 'Beenak' AM/OSCOV. Photo: Clive Halls.



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Dita Unifoam 'Belinda' HCC/OSCOV, grown by Eddie Holmes of Colac, was Victorian Any Other  
Hybrid of the Year. Photo: Eddie Holmes.

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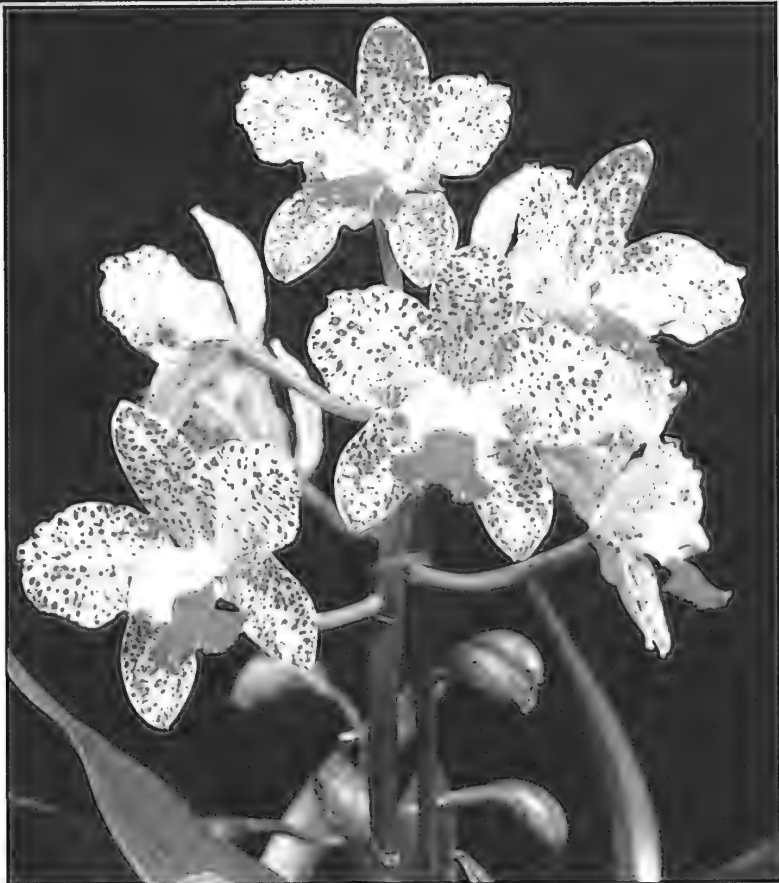
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*Cattleya* Caudebec 'Carmela' AD/OSCOV, grown by Paradisia Orchids, won the Victorian Award of Distinction of the Year. Photo: Ken West.

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In January 2008 I had the opportunity to make a short visit to South Africa on my way to the World Orchid Conference in Miami, Florida USA. While there, I spent a few days looking for orchids around Johannesburg and the high altitude grasslands of Mpumalanga State in the north-east. Summer is the rainy season for much of South Africa, and a time when many terrestrial orchids are in flower. This article is the first of a two-part series on the orchids I saw on this trip, and covers species in the genus *Eulophia* seen in flower.

The genus *Eulophia* comprises over 250 species distributed throughout the tropics of Africa, Asia, western Pacific and the Americas. Africa is particularly rich in *Eulophia*, and South Africa has about 40 species, which are amongst the showiest summer-flowering terrestrial orchids there. Species of *Eulophia* are short to tall growing, mostly terrestrial orchids. Some species are seasonally deciduous, others carry leaves throughout the year, and a few are leafless. Leaves, if present, are in a fan-shaped array and are long, narrow to broad, and distinctly ribbed. Most species have a long bulbous rhizome, while some have pseudobulbs. The flowering stem varies from a short, erect raceme to a branched arching inflorescence that can reach several metres in length. In some species, the inflorescence emerges from the ground a short distance away from the leaves. Flowers are small to large, with the sepals incurved to spreading outward, and the petals often partially enclosing the labellum. The labellum is usually broad and is variously adorned with ridges and bristles along its length. Many species have relatively large showy flowers, while several species appear to be self-pollinating, with small, poorly-opening, short-lived flowers.

The first *Eulophia* I saw were growing in a small grassland reserve just metres from a major freeway in the suburbs of Johannesburg. There was a single plant of *Eulophia adenoglossa* which has greenish, poorly-opening, short-lived, self-pollinating flowers. The reserve also held large numbers of *Eulophia ovalis* subsp. *bainesii*, a very showy orchid with pale yellow and green flowers to 3cm across, and up to 20 flowers on the inflorescence. It is a sequentially flowering species, and generally only 2-4 flowers were open at once.

I then travelled east to Nelspruit, and saw *Eulophia petersii* growing on granite rocks in the hills near the town. This species grows in quite harsh, exposed situations (often with *Aloe* species), and has pseudobulbs and a branched inflorescence to 2m long carrying dozens of brownish flowers with a white and pink labellum. Near Nelspruit, in a roadside drain, *Eulophia angolensis* was growing. This is

*Eulophia clavicornis* var. *nutans* Dullstroom

# Some summer-flowering *Eulophia* of South Africa

Text and photos by Gary Backhouse

a beautiful species with up to 30 large bright yellow flowers. There were several hundred flowering plants growing in the drain beside the road and on the adjoining private land. Many plants were growing in standing water, as I found out when I stepped out of the car in near darkness to photograph them!

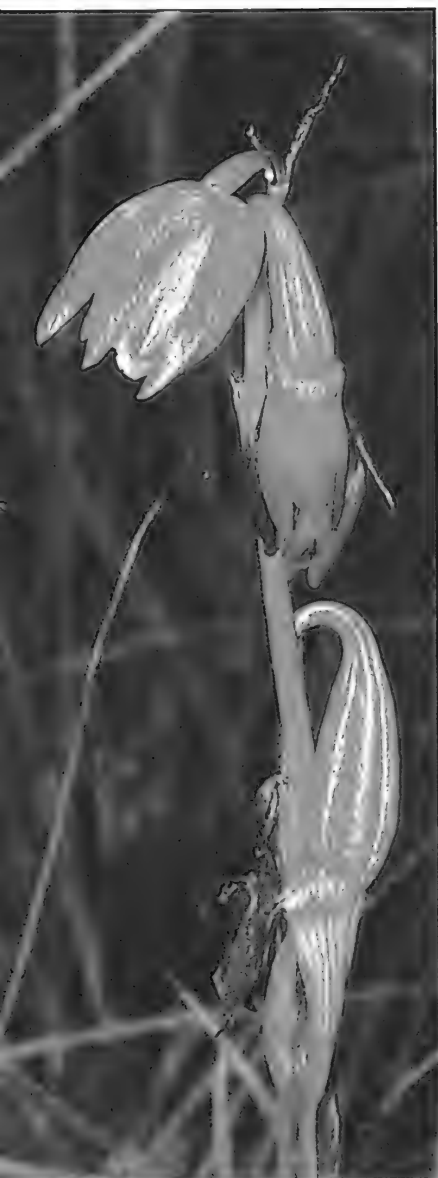
From Nelspruit I travelled to Sabie, where several species of *Eulophia* were in flower in a small grassland reserve there. *Eulophia foliosa* has a short inflorescence

of crowded green, hanging, poorly opening flowers, and is difficult to detect growing amongst the dense summer grasses. A strange looking species is *Eulophia leontoglossa*, which has a nodding head of clustered white flowers with brown bristles on the labellum. These also grow deep within the thick sward of summer grasses, and trying to photograph the plants when the flowers point to the ground is a real challenge. In contrast, the tall stately *Eulophia streptopetala* was much easier to

photograph. This fabulous species was growing on a roadside on the margins of a pine plantation, and has large brown and yellow flowers on stems to 2 metres tall!

The final area searched was in the high altitude grasslands of the Steenkampsberg Plateau near Dullstroom, where two more *Eulophia* species were growing. *Eulophia clavicornis* var. *nutans* is a small, unobtrusive species usually hidden in the thick summer grasses, and has the petals closed over the labellum. Another highly attrac-

*Eulophia adenoglossa* Johannesburg



*Eulophia foliosa* Sabie



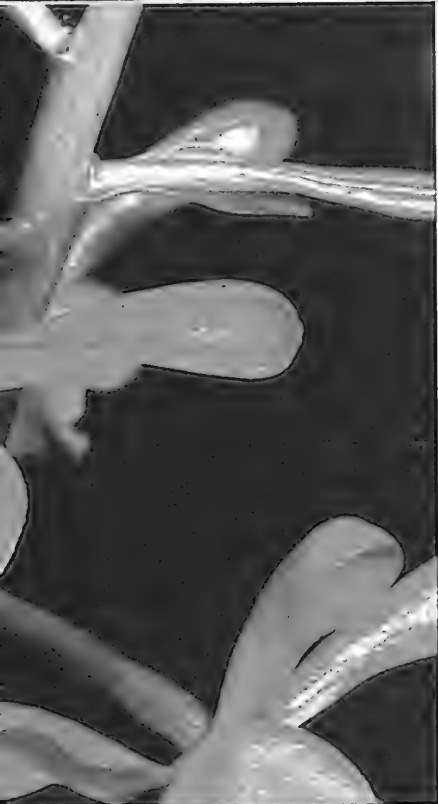


Top centre: *Eulophia angolensis* Nelspruit

Above: *Eulophia angolensis* Nelspruit

Right: *Eulophia angolensis* Nelspruit

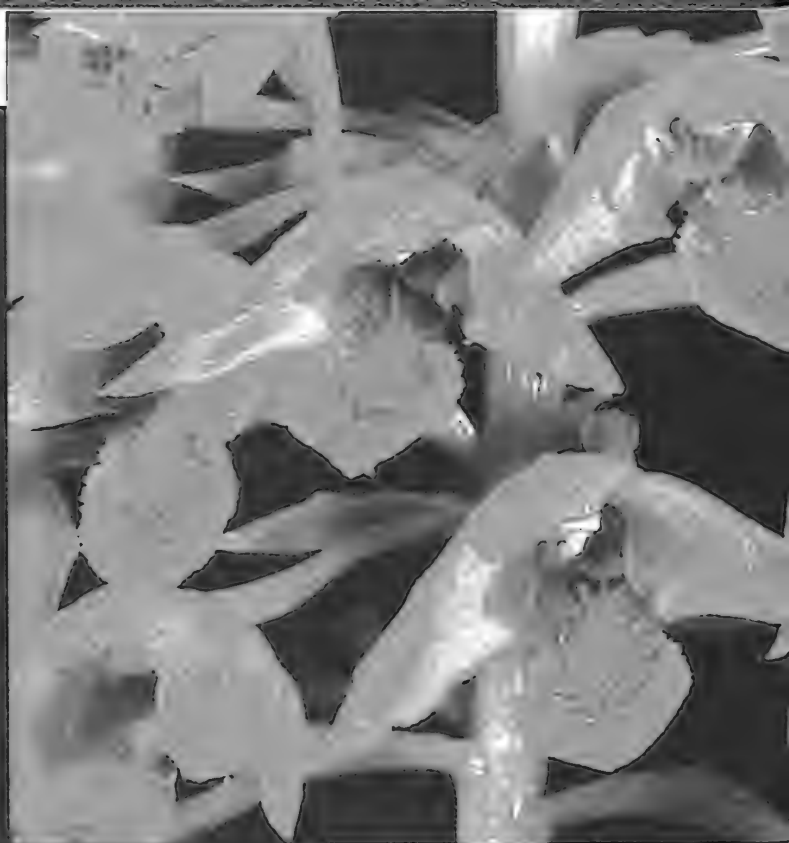




**Left:** *Eulophia leontoglossa*  
Sabie

**Below:** *Eulophia leontoglossa*  
Sabie



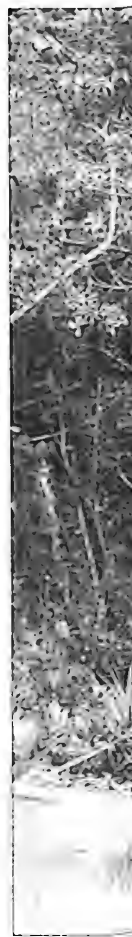


**Above:** *Eulophia odontoglossa* Lydenburg

**Left:** *Eulophia odontoglossa* Lydenburg

**Top right:** *Eulophia petersii* Nelspruit

**Right:** *Eulophia petersii* Nelspruit (growing behind an Aloe) with Duncan McFarlane





tive species is *Eulophia odontoglossa*, which has bright yellow flowers with reddish marks on the labellum. This species grows to about 90cm tall, and has up to 30 flowers, most open at the one time, a truly superb sight.

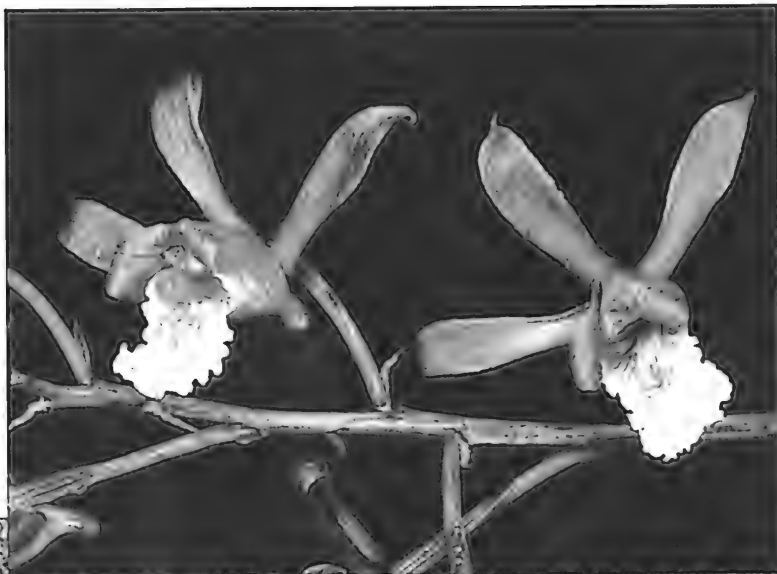
*Eulophia* are some of the showiest terrestrial orchids of the South African summers, even if you do get very wet trying to find them, as well as having the excite-

ment of dodging the thunderstorms rolling over the open grassland plains of the plateau. My thanks to Duncan and Annette McFarlane for hosting my stay in South Africa, and to members of the Witwatersrand Orchid Society for their hospitality on field trips.

**Gary Backhouse**

**Greensborough, Victoria**

**Email: outbackorchids@hotmail.com**



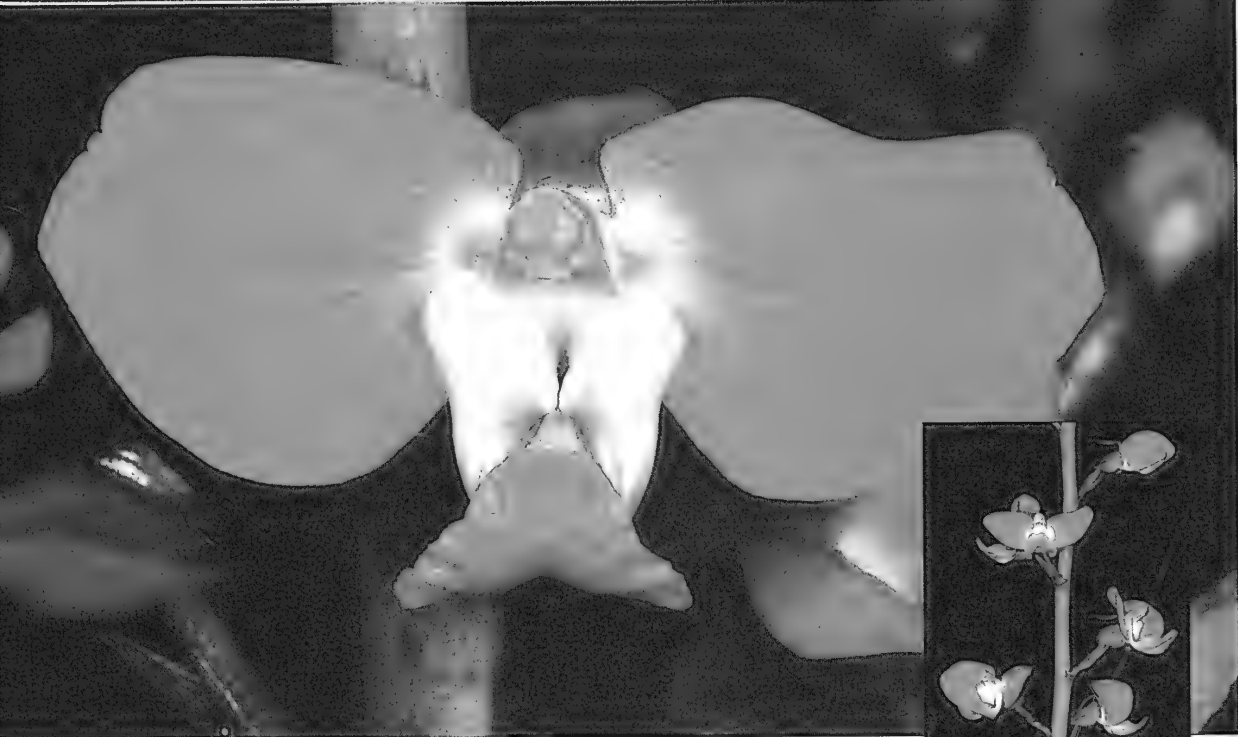
**Right:** *Eulophia ovalis* subsp.  
*bainesii* Johannesburg

**Below:** *Eulophia ovalis* subsp.  
*bainesii* Johannesburg

**Bottom:** *Eulophia ovalis* subsp.  
*bainesii* Johannesburg







Above and right: *Eulophia speciosa*

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Above: *Eulophia streptopetala* Sabie

Right: *Eulophia streptopetala* Sabie

Left: *Eulophia streptopetala* Sabie

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# Spots and Dots

(in Masdevallias)

Text and photos by Clive Halls



One of the first hard-to-obtain *Masdevallia* species I tried to get plants of was *M. chaparensis*, a cool grower, from around the 2700 metre elevation mark in the Chapare region of Bolivia. This species is not widely distributed and therefore has always been scarce, but eventually I managed to get a plant that has survived and done well though it has not been a very viable seed producer.

Other *Masdevallias* do have spots, *M. decumana* for instance and *M. glandulosa*. But the *M. chaparensis* is dominant in breeding and it has a good stem habit as well. My initial enthusiasm for *chaparensis* hybrids came from a visit to the U.S.A. when I saw *M. Sunset Jaguar* at the San Francisco Show. This cross of *M. Copper Angel* x *M. chaparensis* is magnificent. I also saw *M. Geneva Spots* 'White Swallow', a white with red spots, just fantastic.

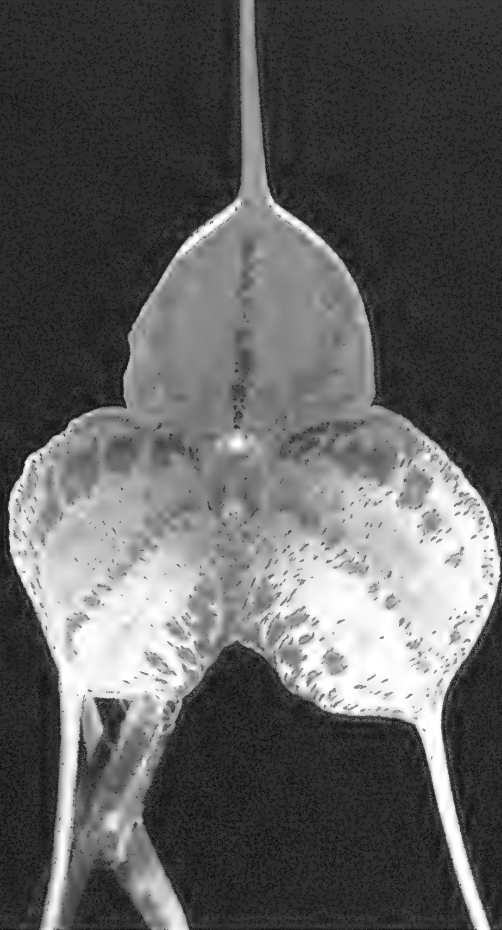
Back home we had *M. Chaparana* (*chaparensis* x *veitchiana*), some lovely clones of this showed once again that *M. veitchiana* gives the basis for high quality *Masdevallias*. It also showed how strong the spotted influence from *chaparensis* can be. Even the next generation such as *Chaparana* x *Sun Dancer* were strongly spotted and of even better flower form. *Angel Frost* x *chaparensis* made *M. Winter Blush*; these were not as good as the *Sunset Jaguars*, being smaller and less vibrant, at least in the ones I have seen. Of the *M. glandulosa* hybrids of which there are not many, *M. Confetti* (*glandulosa* x *strobelii*) is certainly one of the best and is simply amazing in its productivity; it's hard to believe a small plant can produce so many flowers.

*M. decumana* with its superb large flowers on small plants has been a magic parent. It can be a difficult plant to grow for most people, being a very cool grower and rather sensitive to root problems. *M. decumana* is often better grown on mounts rather than in pots, but worth the effort if you can source a plant to get started. Crossed with our feature parent *M. chaparensis* you get the very delightful *M. Enchantment*. Now as I have mentioned both parents are tricky growers but the progeny are quite tolerant and forgiving. They still require cool conditions but grow and flower quite freely. This hybrid vigour occurs in horticulture a lot but has been very evident in these cool high-altitude plants. Interestingly when I back crossed *M. Enchantment* to *M. decumana*, the progeny (as yet unnamed), are virtual *M. decumana* look-a-likes, so similar as to be hard to pick from the genuine article but they grow beautifully. In fact the growth is

Left: *Masdevallia* Night Stripes 'Beenak'  
HCC-AD/OSCOV

Right: *Masdevallia*  
(*Chaparana* x *Sun Dancer*) 'Giant'





Above: *Masdevallia* (Sun Dancer x Pixie Leopard)

Left: *Masdevallia* (Copper Wing x Pixie Leopard)

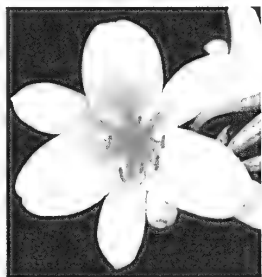


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Autumn: Last Sunday in February (28 February 2010)

Winter: Last Sunday in July [with Easy Orchids] (26 July 2009)

Spring: Last Sunday in September (27 September 2009)

Summer: First Sunday in December [with Dark Star Orchids] (6 December 2009)

more the giveaway than the flowers, being a little larger and certainly more robust. *M. Chaparana* was used with *M. decumana* resulting in *M. Pixie Leopard*. I have only seen the one cultivar, being the awarded clone 'Royale', which is a really exciting plant. The brilliant orange flowers are covered in purple spots; the flowers are a good size and seem to be produced over a very long flowering season. Our plants flower from Autumn right through Winter and into Spring.

Our first *M. Pixie Leopard* seedlings are most rewarding. Strong spotted influence in most seedlings. Even when used with big reds like *M. Rein Wine* and strong pinks like *M. Gertrude Puttock*, though spots are coming through. Also exciting is that some are blooming only 8 months ex flask, a sure sign of excellent productivity. There is a lot of work to do yet in breeding spotted *Masdevallias*. Other species like *M. peristeria* which grows a little warmer will introduce some warmth tolerance and there are the finer spotted varieties that often come out of *M. instar*. The *Masdevallia* genus is so large and diverse that many more species are available to give new and different flower forms. A small but potentially very useful hybrid by the name of *M. Myra* (*uniflora* x *chaparensis*) has been utilised a little. In the making of Crown Point it was combined with *M. caudata* to produce outstanding





**Above:** *Masdevallia*  
Kimara 'Pretty Flamingo' AD/OSCOV



**Right:** *Masdevallia*  
(Funky x Pixie Leopard)

results. The strong spots of *M. chaparensis* were not as strong but the colour was intense. Using *M. Myra* with *M. Pixie Leopard* or with *M. Chaparana* will give the great colours and intense vibrant spots. If you want to make showy large flowered *Masdevallia* hybrids you find yourself looking at *M. veitchiana* and *M. coccinea* as potential parents very frequently. Not only from the point of view of the flower size but also because viable seed is hard to obtain as you move further from the species. Crossing back to one of the big three species; *M. veitchiana*, *M. coccinea* and *M. ignea* has proved valuable for seed viability and good growth characteristics. *Masdevallias* don't seem to have much primary hybrid sterility so common in other genera. While we do encounter it in some cases it is certainly not too bad. Most of the primaries with *M. chaparensis* like *M. Myra*, *M. Chaparana*, *M. Enchantment*, *M. John Leathers*, have all produced viable pods. Various clones may not breed. Our *M. Hani* (*coccinea* x *chaparensis*) is beautiful but so far hasn't bred on. A pity, because it could do much for spotted hybrids.

One of the loveliest hybrids I have seen featuring *M. chaparensis* is *M. Morning Glory*. This is made with *M. Marguerite*, not only a large colourful and strong grower but having significant heat tolerance as well. Often *M. Marguerite* stamps

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Above: *Masdevallia Myra*



Above right: *Masdevallia Pixie Leopard 'Royale'*

Left: *Masdevallia Latacunga 'Morado'*

its hybrids with a distinctive look that makes them look too similar but in this cross it is not so obvious. Mixing spots and stripes is a natural choice and the two

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species that have the best stripes and spots are *M. yungasensis* and *M. chaparensis*. The resulting *M. John Leathers* proved delightful. The small but striking flowers are a mix of spots and stripes densely layered over a lilac background. This cross coming out of the USA hasn't been seen much here so it's one to remake as soon as possible. We have seen an excellent hybrid with *M. Latacunga* which added size, more colour and heat tolerance. As *M. Latacunga* has *M. chaparensis* as a grandparent, spots must come through strongly.

I hope this short review of spotted *Masdevallia* seedling breeding has introduced you to some new hybrids you may not have seen before. We will certainly be developing this line in the coming years as the potential has surely only been glimpsed this far. ■

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**Left:** *Masdevallia* (Harlequin x *decumana*)  
'Baby Doll'

**Right:** *Masdevallia chaparensis* 'Rip Hot'

**Below:** *Masdevallia* Crown Point '#3'

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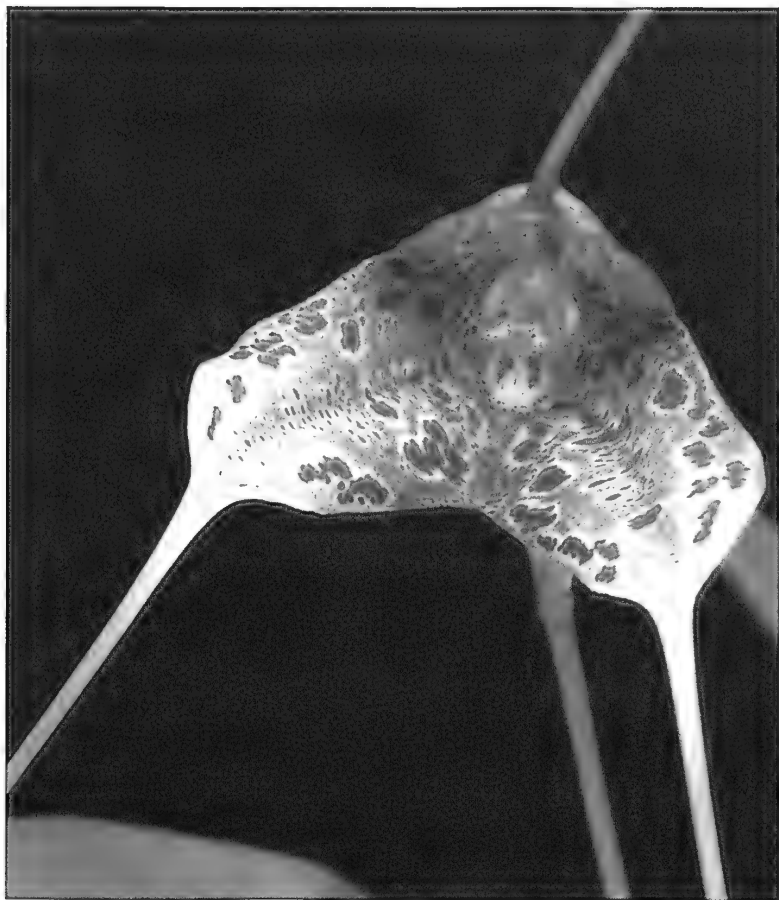
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# Borneo – an orchid wonderland

Sabah Malaysia Borneo is the third largest island in the world and renowned for its biodiversity. Botanists and conservationists have been attracted to Borneo for centuries, including Charles Darwin who referred to Borneo as “one great wild untidy luxuriant hothouse made by nature for herself.”

A landscape rich in flora, Sabah is home to almost 1,200 species of orchids, including the Rothschild's Slipper Orchid, *Paphiopedilum rothschildianum*, so preciously coveted that it is considered the “Kinabalu Gold.”

Growing in the forests, tropical rainforests and parks are 26 species of rhododendrons, 9 species of *Nepenthes* pitcher plants including the *Nepenthes rajah* (the largest in the world), over 80 species of fig trees; 60 species of oaks and chestnut trees, plus the *Rafflesia*, (the largest flower in the world).

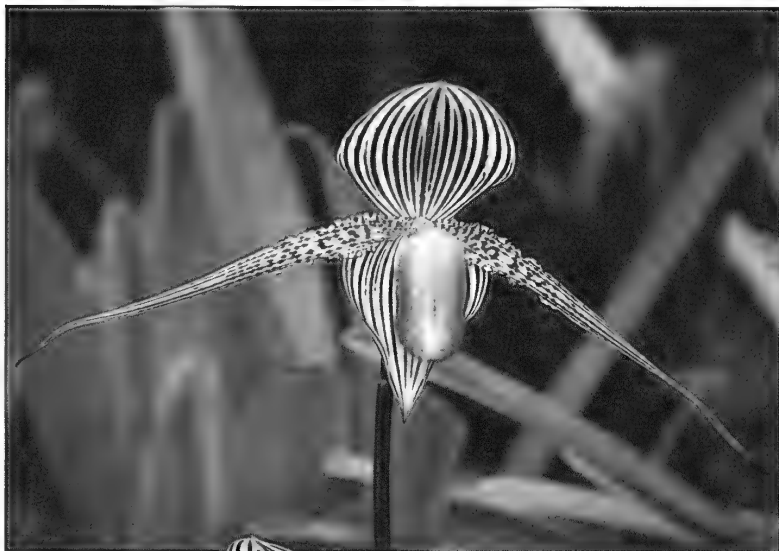
The World Heritage listed Kinabalu Park was designated by UNESCO in December 2000 for its ‘outstanding universal values’ and role as one of the world’s most important biological sites. Kinabalu Park covers 754 sq kms, which in size is larger than Singapore Island, and has the highest mountain between the Himalayas and the Snow Mountains of New Guinea - Mount Kinabalu.

Kinabalu Park is a botanical paradise with flora and fauna that ranges over 6 climate zones, with an estimated 5,000 flowering plants. Wild orchids grow in abundance and range in size from pinhead to huge stems over 2 metres in length. 19 species of *Begonia* have been documented with the rare *Begonia chongii* being discovered recently growing on the west side of the mountain. The Mountain Garden is a highlight of the Park with 5 acres replanted with examples of the diverse plant-life gathered from all over the park.

The Sabah Agricultural Park at Tenom is set on 1,500 landscaped acres with 3,538 plant species, speciality gardens, and the Tenom Orchid Centre, Native Orchids Centre, and Hybrid Orchid Centre. The Native Orchids Centre, with 400 of the 1,500 orchids found in the world, is recognised worldwide as the major centre for its Borneo orchids’ collection.

Later this year, the 2009 Sabah Orchid Show will be held at Kota Kinabalu from 30 September to 4 October, showcasing a spectacular array of orchids.

Sabah is also famous for the Wild Man of Borneo – the Orang-utan,



Slipper Orchid, *Paphiopedilum rothschildianum*

and the indigenous Proboscis monkey. There are some 326 species of birds, 222 mammals, and exotic animals such as barking deers, pygmy elephants, sun bears, gibbons, hornbills and cloud leopards. Borneo has the richest and most accessible wildlife regions in all of South East Asia.

Go See Touring, Borneo travel specialists, have engaged Wayne Harris, Senior Botanist and one of the world’s leading authorities on orchids, to host the Orchid Lovers Tour of Sabah from 26 September to 6 October, 2009. For information contact Go See Touring on 1300 551 997 or visit [www.goseetouring.com](http://www.goseetouring.com)

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HOSTED BY WAYNE HARRIS



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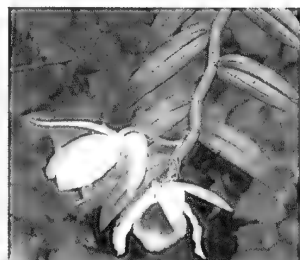
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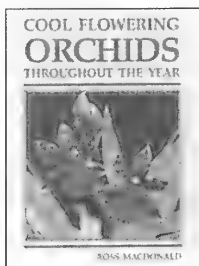
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## COOL FLOWERING ORCHIDS THROUGHOUT THE YEAR

by Ross Macdonald

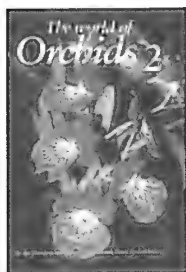
Ross Macdonald is a highly respected orchid grower and photographer from the North Island of New Zealand. This volume is devoted to cool growing orchid genera, which are easy to cultivate in New Zealand and southern Australia. Growers in tropical areas should not be discouraged, as many of these orchids are indeed adaptable and will grow in a range of climates. Andy Easton has written the foreword. Ross has devoted the first few

pages of the book to cultural hints, which are down to earth and give practical information on the basics of orchid cultivation. Basically this is a pictorial book with over 300 full colour photographs, covering a similar number of orchid species and hybrids. The quality of both the photographs and the colour reproduction is impressive. All of the orchids have been captured using available sunlight and there is no flash photography. There is a wide range of orchid genera covered with particular emphasis placed on cymbidiums, dendrobiums, laelias, masdevallias, the Odontoglossum alliance and Paphiopedilum.

The photographs are arranged in four chapters, referring on their main blooming season. The use of seasons ensures the text is also applicable to growers in the northern hemisphere. This inexpensive book is exceptional value and importantly is written by someone who knows and grows these orchids. I thoroughly recommend this book to orchid growers, as it will be of great value to both novice and experienced enthusiasts.

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## THE WORLD OF ORCHIDS - 2

The World of Orchids - 2 has been written by members and friends of the North Shore Orchid Society about orchids grown in Sydney and its environs, and we are indebted to those people for their time and effort.

It has been produced to cover a large range of genera to help not only the novice, but also the experienced grower in their present fields of interest, and to tempt and encourage them to try other genera.

It should be pointed out that the methods of culture used by the authors are those which they themselves have found successful. Growers should try any changes to their own culture gradually and on a few plants first, as

orchids respond differently under different conditions.

80 pages, colour and B&W.

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## MORE FLOWERING ORCHIDS THROUGHOUT THE YEAR

by Ross Macdonald

This is the sister volume to *Cool Flowering Orchids throughout the Year*. It is in the same format and style as the previous book, but also includes some genera that would require artificial heating in cooler climates. This volume covers a further 314 orchid species and hybrids with 344 colour plates. Both texts are highly recommend to all orchid fanciers; particularly newcomers who wish to see an array of delightful flowers that they could grow.

132 pp.  
242mm x 168mm  
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Robert Friend

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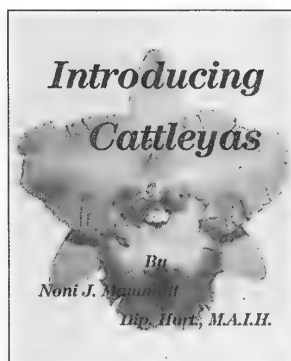
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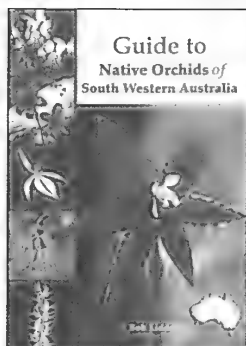
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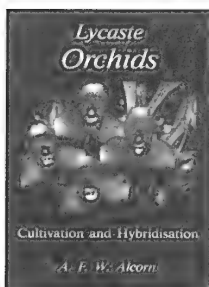
The book gives each individual species a separate entry, with information on its history, synonyms, distribution, habitat, cultivation and hybrids, along with a drawing showing the main parts of the plant and flower, plus a colour plate providing an easy means of identification.

Hybridising, including intergenerics, is dealt with in detail – most registered hybrids being accompanied by a colour plate. Other chapters include pollination, seed raising and cultural information for the home grower.

This is Walter T. Upton's third book and is a companion to his very popular and informative *Dendrobium Orchids of Australia*.

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## LYCASTE ORCHIDS - Cultivation and Hybridisation A.F.W. Alcorn

Lycaste orchids are easy to grow, and they produce flowers that range from the beautiful to the bizarre. No book previously has provided detailed cultural requirements of the Lycaste, and this book should fill that gap, and encourage new growers to take up the cultivation of this beautiful genus. A section on hybridising contains valuable information on inheritance and genetics that will benefit any hybridiser, not just the grower of Lycastes, as well as helpful hints on

how to avoid pitfalls in your hybridising program. Michael Hallett, a friend of Fred Alcorn for a number of years, co-wrote this book with Fred and has completed it posthumously. He has a background in genetics, research and botany, and a passion for plants, especially orchids.

**237 pages**  
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## GROWING PHALAENOPSIS AT HOME by James Neal

This book is essential reading and reference for any person who grows, or is intending to grow, *Phalaenopsis*.

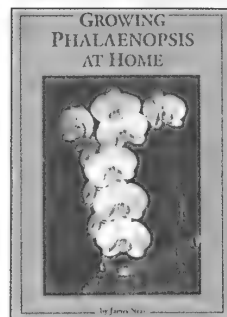
Jim, in a simple and easily understood style, explains and elaborates on light conditions, watering, temperatures, fertilisers, pests and diseases.

Explanations of the way *Phalaenopsis* are named and the implications of growing seedlings, illustrate some of the more difficult ideas for the layman to understand.

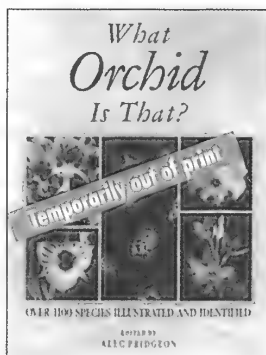
The colour photography illustrates beautifully the topics under discussion and the orchid names are supplied, where necessary, as a caption.

The illustrations drawn by Jim's son Jamie are pertinent and succinct and make the subject more easily understood.

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The first section, by the General Editor, Alec Pridgeon, introduces orchid habitat, distribution, names and classification, hybrids, pollination, how to grow orchids and control pests and diseases, and orchid conservation.

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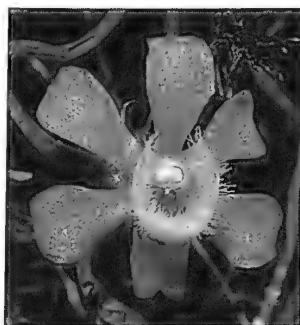
**AUSTRALIAN ORCHID REVIEW**  
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# Two New *Thrixspermum* Species from the Philippines

**Abstract:** Two *Thrixspermum* species, from section *Dendrocolla* are hereby described as new, viz. *Thrixspermum bromeliforme* from Luzon and *Thrixspermum cootesii* from the island of Mindoro.

Text and photos by Wally Suarez



*Thrixspermum bromeliforme* (flower of TYPE specimen)

The Philippines contain a large assemblage of species from the genus *Thrixspermum* with 24 species already named and a few more awaiting formal description. Of this number, 14 are members of section *Dendrocolla* Schltr., characterized by their more or less upright, rigid stems; elongated inflorescences with terete peduncles, shortened rachis with fleshy, all-directional floral bracts, and flowers which have the labellum furnished with ornaments such as calli and indumentum of varying degrees of development and placement. This paper deals with the description of two more species from this section.

## 1. *Thrixspermum bromeliforme* Suarez *sp. nov.*

*Affinis* *T. hystrix* (Bl.) Rchb. f., *sed labello forma alio modo; pilus in labello longior; floralis bractee rosulatus, multo magis confertim dispositus.*

**Type:** Cultivated in the author's private orchid collection in Mabitac, Laguna, with flowering observed on 6 May 2006. Provenance: Plants purchased from an orchid peddler in Siniloan, Laguna, Luzon, Philippines. Holotype WS 773441 (NSW).

## Description:

Stems: erect to ascending, quite rigid, at

least to 22cm long, may branch sparingly, aerial roots produced at the nodes all along the stem. Leaves: elliptic, smooth, leathery, shiny, 6.5cm long by 9mm-1.5cm wide, tips unequally bilobed and may be terminated by an arista. Inflorescences: slender, peduncle up to 15.4cm long, erect or ascending, smooth, pale green to brown with 1 or 2 acuminate sterile bracts 5 mm long; rachis 4-7mm long; floral bracts fleshy, acuminate, spreading, 5 mm. long, arranged in a rosette. Flowers: up to 1.9cm across, slightly fragrant; one to two are open at a time. Perianth segments yellow, labellum white with dark purple-red dots on the outside, a finer speckling of red dots is present around the throat and in the spur; column white dotted with red at the base. Dorsal sepal: oblancoate to rhomboid-

spathulate, 1.1cm long by 4 mm wide. Petals: oblancoate, 1.1cm long by 3.5mm wide. Lateral sepals: elliptic-lanceolate, 1.2cm long by 4.5-5mm wide. Labellum: three-lobed, margins fimbriate; side lobes broadly triangular, 4mm wide; midlobe broadly triangular, 1cm wide; hairy callus with a rust-orange spot, two-pronged, basal portion continuing up to the back wall of the spur; spur broad, rounded with a narrow cleft in the middle, inside with sparse, ball-tipped blackish hairs. Column: 3mm long, slightly winged; steldis mucronate, facing one another, 0.5mm long.

## Habitat:

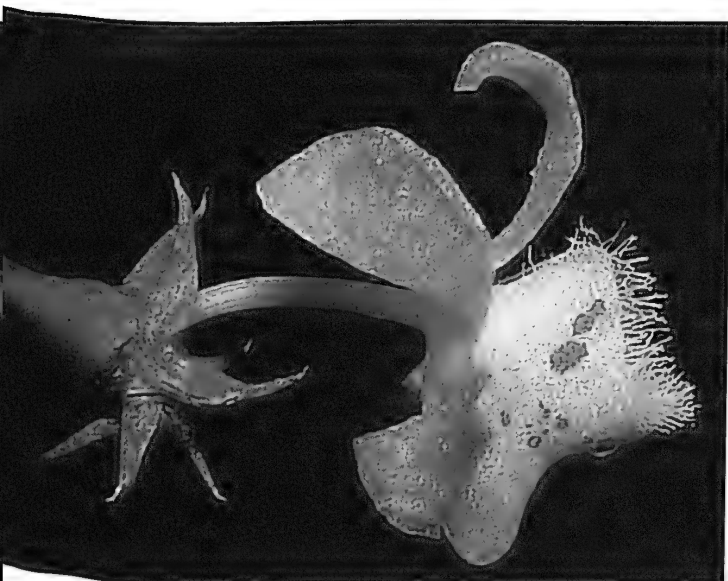
Habitat and altitudinal preferences still unknown but are most likely epiphytes in brightly-lit situations at low altitudes. In October 2008 I have seen specimens which purportedly came from the province of Aurora in eastern Luzon.

## Recognition:

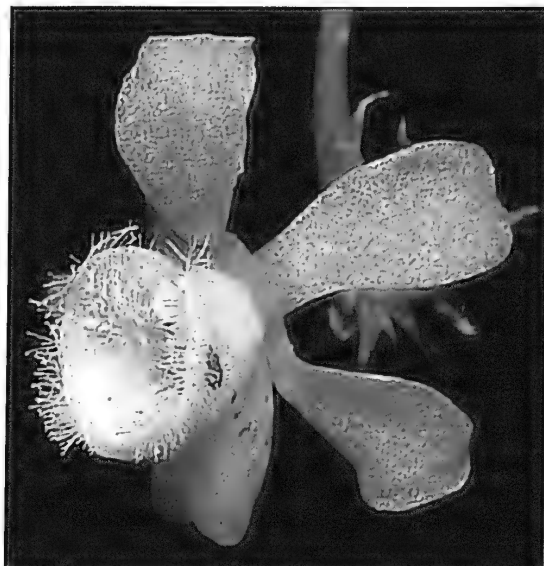
*Thrixspermum bromeliforme* Suarez is closely related to *T. hystrix* (Bl.) Rchb. f. but differs in the shape of the labellum, and in the much longer hairs around it, which are present only at the margins (the hairs on *T. hystrix* are found on the upper surface of the epichile), and the floral bracts which are tightly arranged in a rosette, much more compact than in *T. hystrix*.

## Etymology:

The specific name was taken from the Latin *bromeliforme*, a reference to the floral bracts which have a fanciful resemblance to small bromeliads.



*Thrixspermum bromeliforme* (flower from side)



*Thrixspermum bromeliforme*

2. *Thrixspermum cootesii* Suarez sp.  
nov.

*Plantae parvo; caules erecto-patens, non ramificans; floralis bractae acuminato, fere setaceo; flores albi, indumento ad limitato labello margines.*

**Type:** Cultivated in the author's private orchid collection in Mabitac, Laguna, with flowering observed on 24 January 2008. Provenance: Plants were collected in the mangrove swamps of Pola, Oriental Mindoro, Mindoro, Philippines. Holotype WS 773443 (NSW)



*Thrixspermum cootesii*  
(flower of  
TYPE specimen)

### Description:

Stems: more or less erect, non-branching, 20cm high by 3mm in diameter; roots produced from almost the entire length of the stem. Leaves: elliptic-ligulate, coriaceous, 6.6cm long by 1.2 to 1.7cm wide; apices either obtuse or unequally lobed. Inflorescences: appear from opposite the leaf axils; peduncle to 12.5cm long with a single sterile bract; rachis 1.3cm long with acuminate, almost bristle-like floral bracts to 4mm long. Flowers: opening one at a time, to 8.5mm across by 9mm high; perianth segments white, labellum white with rust-brown spots on the inside; scent spicy. Dorsal sepal: spatulate, 3.5 to 4mm long by 2mm wide. Petals: narrowly spatulate, 4mm long by 1.5 to 2mm wide. Lateral sepals: obliquely spatulate, 4 to 4.5mm long by 2mm wide. Labellum: three-lobed, margins hairy; lateral lobes broadly triangular-falcate, 2mm wide by 3mm long; midlobe broadly triangular, 2.5mm wide by 3mm long; callus low, fleshy, glabrous, slightly lunate from above; spur obtuse, moderately flattened dorsally. Column: rather thick, lacking any ornaments.

### Habitat:

Epiphytic on twigs and branches of *Barringtonia pterita* and *Rhizophora* species in mangrove swamps in filtered light at sea level.

### Recognition:

*Thrixspermum cootesii* Suarez can be recognised from its relatives by the relatively smaller stature of the plants, its acuminate, bristle-like floral bracts, small white flowers (most members of the section have yellow flowers), and labellum hairs which are confined only to the margins.

### Etymology:

I am pleased to name this new species in

## Cathy Jane Mansergh

25/6/1943 – 15/3/2009

Not many of our readers would know Cathy.

Cathy, who passed away in Sydney at 65, was the friendly voice at the end of the phone when people rang the *Australian Orchid Review*.

Those people who at one time or another have had the occasion to contact the *Australian Orchid Review*, Cathy would have been the voice on the other end of the telephone – the conduit between the outside world and the publishers.

Cathy was one of those rare people, especially these days, whose working life was dedicated to providing impeccable service. It didn't matter whether you were ordering a subscription, purchasing books, or had an advertising query, Cathy would handle the lot with a touch of grace and ease.

She was the person who, for a great many years, took care of all the administrative office work behind the scenes: minding the subscription database and keeping it up-to-date, notifying subscribers of renewal and expiry dates, invoicing, answering queries and directing callers to other relevant sources of information, magazine distribution and mailing, and the thousand and one other things that freed up the time which enabled the editor and production staff to carry out their respective tasks.

The stalwart in the background without whom the magazine would never have reached the audience it currently enjoys, Cathy had a great sense of humour and an incredible way with people. In essence, Cathy was the nerve centre of the *AOR*.

A quiet person who kept family and work as separate entities – she will surely be missed.

Our sincere sympathy go to all of Cathy's family and friends. – **MH & BB**



honour of my good friend Jim Cootes, who has done so much to increase the awareness of some of the more obscure Philippine orchid species. He found the first recorded plants of this new species in the mangrove swamps not too far from his property in Pola, Oriental Mindoro, a few years back.

### Acknowledgements:

The author would like to sincerely thank Jim Cootes (Sydney) and Dr. Peter Weston (NSW) for willingly assisting and providing some very useful information pertinent to the completion of this paper.

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*Thrixspermum cootesii*

**Wally Suarez**  
**Mabitac, Laguna, Philippines**  
**Email: ayi\_boy12@yahoo.com**

# SHOWDATES

DATE	TIME	SEASON	ORCHID SOCIETY	SHOW ADDRESS	CONTACT No.
<b>New South Wales</b>					
17-20 June	8.30am-5.30pm	Autumn	Boolaroo Orchid Society Autumn Show	Stockland Jesmond Shopping Centre	02 4946 8502
18-21 June	Shopping Centre Hours	Spring	Orchid Soc of NSW Orchids in Winter	St Ives Shopping Village Mona Vale Road, St Ives	02 9649 2719
22-26 June	Shopping Centre Hours	Spring	Leisure Coast OS Spring Show	Westfield Shopping Centre Cnr Princess Highway, Figtree	02 4261 6720
25-27 June	9.00am-5.00pm	Winter	Sutherland Shire OS 57th Winter Show	Swanes Nursery 80 Port Hacking Road, Sylvania	02 9521 6209
28 June	9.00am-4.00pm				
27 June	8.30am-3.30pm	Winter	City of Lismore OS Winter Show	Lismore Central Shopping Centre Carrington Street, Lismore	02 6621 6269
16-18 July	Shopping Centre Hours	Winter	North Shore OS Winter Show	Gordon Shopping Centre Gordon	02 9452 3202
2-3 July	9.00am-5.00pm	Winter	Central Coast & Lakes OS Lakeside Plaza Show	Lakeside Plaza The Entrance Road, The Entrance	
4 July	9.00am-1.00pm				
4 July	9.00am-2.00pm	Winter	Southern Riverina OS Winter Show	CWA Hall Wason Street, Milton	02 4441 3553
4-5 July	9.00am-5.00pm	Winter	Blue Mounts & Penrith Dist OS Winter Show	Guide Hall cnr Great Western Hwy & Nepean St, Emu Plains	02 4576 3686
4 July	11.00am-3.00pm	Winter	Shoalhaven Orchid Society Winter Show	Berry Showground Pavilion Cnr Victoria & Albert Streets, Berry	02 4447 8280
5 July	9.00am-3.00pm				
8 July	11.00am-5.00pm	Winter	Illawarra District OS 58th Annual Winter Show	The Illawarra Yacht Club 1 Northcliffe Drive, Warrawang	02 4274 4753
9-11 July	10.00am-5.00pm				
9-11 July	Shopping Centre Hours	Winter	Hawkesbury Dist OS Winter Show	Westpoint Blacktown Patrick Street, Blacktown	02 4572 6808
9-11 July	Shopping Centre Hours	Winter	Eastwood & Dist Orc Circle Winter Show	Eastwood Shopping Centre Rowe Street, Eastwood	02 9807 4662
9-12 July	Shopping Centre Hours	Winter	Campbelltown & Dist OS Winter Show	Macarthur Square Campbelltown	
15-18 July	Shopping Centre Hours	Winter	Fairfield District OS Winter Show	Fairfield Forum Shopping Centre Station Street, Fairfield	0409 299 980
17 July	9.00am-5.00pm	Winter	Eurobodalla Orchid Club Winter Show	CWA Hall Queen Street, Moruya	
18 July	9.00am-3.00pm				
22-25 July	8.30am-5.30pm	Winter	Boolaroo Orchid Society Winter Show	Stockland Wallsend Shopping Centre	02 4946 8502
24 July	9.00am-5.00pm	Winter	Batemans Bay Orc & Foliage Winter Show	Community Centre, Batemans Bay Museum Place, Batemans Bay	
25 July	9.00am-4.00pm				
27 July	Shopping Centre Hours	Winter	Bankstown Orchid Society Winter Show	Bankstown Centro (opp K-Mart)	
1 August					
1-2 August	9.00am-4.00pm	Winter	Gosford & Districts OS Gosford Orchid Spectacular	Wyong Racecourse Howard Street, Wyong	0418 457 465
6-9 August	Shopping Centre Hours	Winter	Campbelltown & Dist OS Mid-Winter Show	Narellan Town Centre Narellan	
7-9 August	9.00am-5.00pm	Winter	Cymbidium Club of Australia Winter Show	Dural Recreation Centre Pellitt Lane, Round Corner, Dural	02 9721 0572
14-15 August	9.00am-5.00pm	Winter	Sapphire Coast Orchid Club Winter Show	Twyford Hall Market Street, Merimbula	02 6492 0510
16 August	9.00am-1.00pm				
14-15 August	9.00am-4.00pm	Spring	St Ives Orchid Fair 'The Big One'	St Ives Showground Mona vale Road, St Ives	02 9452 3202
16 August	9.00am-3.00pm				
20-23 August	Shopping Centre Hours	Winter	Western Suburbs OS Winter Show	Ashfield Mall 260A Liverpool Road, Ashfield	02 9718 6067
20-23 August	Shopping Centre Hours	Spring	Bankstown Orchid Society Spring Show	Bass Hill Plaza Hume Highway, Bass Hill	
21-22 August	9.00am-5.00pm	Spring	Eurobodalla Orchid Club Early Spring Show	Narooma Sports & Leisure Centre Bluewater Drive, Narooma	
23 August	9.00am-1.00pm				
24-28 August	Shopping Centre Hours	Winter	Leisure Coast OS Winter Show	Westfield Shopping Centre Warrawang	02 4261 6720
26-29 August	8.30am-5.30pm	Spring	Boolaroo Orchid Society Spring Show	Belmont Citi Centre	02 4946 8502
29 August	9.00am-5.00pm	Winter	Port Macquarie Orc & Brom Winter Show	Port Macquarie Panthers	
30 August	9.00am-3.00pm				
2-5 September	Shopping Centre Hours	Spring	Fairfield District OS Spring Show	Fairfield Forum Shopping Centre Station Street, Fairfield	0409 299 980
3-4 September	9.00am-4.00pm	Spring	Nambucca Valley OS Spring Show	Nambucca Heads Entertainment Centre Ridge Street, Nambucca Heads	02 6567 5191 0429 858 297
5 September	9.00am-3.00pm				
3-5 September	Shopping Centre Hours	Spring	Hawkesbury Dist OS Spring Show	Richmond Marketplace March Street, Richmond	02 4572 6808
3-5 September	9.00am-5.00pm	Spring	Sutherland Shire OS 57th Spring Show	Swanes Nursery 80 Port Hacking Road, Sylvania	02 9521 6209
6 September	9.00am-4.00pm				
5 September	9.00am-2.00pm	Winter	Southern Riverina OS Winter Show	CWA Hall Wason Street, Milton	02 4441 3553
7-11 September	Shopping Centre Hours	Spring	Eastwood & Dist Orc Circle Spring Show	Macquarie Shopping Centre Telovera Road, Marsfield	02 9807 4662

## SHOWDATES

DATE	TIME	SEASON	ORCHID SOCIETY	SHOW ADDRESS	CONTACT No.
9-12 September	Shopping Centre Hours	Spring	Coffs Harbour OS Spring Show	Park Beach Plaza Coffs Harbour	02 6650 9578
10-13 September	Shopping Centre Hours	Spring	Ballina & Dist OS Spring Show	Ballina Fair Shopping Centre Ballina	02 6681 3883
10-13 September	Shopping Centre Hours	Spring	Campbelltown & Dist OS Spring Show	Macarthur Square Campbelltown	
11 September	10.00am-5.00pm	Spring	Batemans Bay Orc & Foliage Spring Show	Batemans Bay Soldiers Club 2 Beach Road, Batemans Bay	
12 September	10.00am-4.00pm				
12 September	10.00am-3.30pm	Spring	Panania-East Hills OS Spring Show	Senior Citizens Hall Anderson Avenue, Panania	
12 September	9.00am-5.00pm	Spring	Blue Mounts & Penrith Dist OS Annual Spring Show	Melrose Hall Cnr Great Western Hwy & Park St, Emu Plains	02 4576 3686
13 September	9.00am-4.00pm				
17 September	9.00am-5.00pm	Spring	Sapphire Coast Orchid Club Spring Show	Bega Town Hall Zingel Place, Bega	02 6492 0510
18 September	9.00am-4.00pm				
17-19 September	Shopping Centre Hours	Spring	City of Lismore OS Spring Show	Lismore Central Shopping Centre Carrington Street, Lismore	02 6621 6269
17-19 September	Shopping Centre Hours	Spring	Grafton District OS Spring Orchid Show	Grafton Shoppingworld Duke Street, Grafton	02 6642 1205
18 September	11.30am-3.00pm	Spring	Shoalhaven Orchid Society Spring Show	Presbyterian Church Hall Kingshorne Street, Nowra	02 4447 8280
19 September	9.00am-3.00pm				
18 September	11.00am-4.00pm	Spring	Woodburn OS Annual Spring Show	Woodburn Memorial Hall Pacific Highway, Woodburn	02 6645 4168
19 September	9.00am-4.00pm				
20 September	9.00am-3.00pm	Spring	Illawarra District OS 58th Annual Spring Show	Senior Citizens Centre 19 Gyppes Road, Gwynneville	02 4274 4753
19 September	10.00am-4.00pm				
20 September	9.00am-6.00pm	Spring	ANOS Sydney Group Spring Show	Eastwood Shopping Centre Rutledge Street, Eastwood	02 9481 8665
20 September	9.00am-3.30pm				
24-25 September	9.00am-5.00pm	Spring	Casino & District OS Spring Show	Presbyterian Church Hall Hicky Street, Casino	02 6663 3366
26 September	9.00am-1.00pm				
25 September	9.00am-7.00pm	Spring	Maclean District OS Spring Show	Maclean Bowling Club Maclean	02 6645 4784
26 September	9.00am-2.00pm				
2 October	10.00am-5.00pm	Spring	Port Macquarie Orc & Brom Orchids by the Sea	Port Macquarie Panthers	
3 October	9.00am-5.00pm				
4 October	9.00am-3.00pm	Spring	Wagga Wagga OS Regional Show & Conference	RSL Club Kincaid Street, Wagga Wagga	02 6922 6569
3 October	10.00am-5.00pm				
4 October	10.00am-4.00pm	Autumn	Tweed District OS	Tweed City Shopping Centre Minjungbal Drive, Tweed Heads South	02 6677 9071
8-9 October	9.00am-9.00pm				
10 October	9.00am-3.00pm	Spring	Orchid Soc of NSW Southern Orc Spectacular	Cronulla Leagues Club Captain Cook Drive, Woolaware	
9-10 October	10.00am-4.00pm				
11 October	10.00am-3.00pm	Spring	Albury-Wodonga District OC Inland Championship Orc Show	Mirambeena Centre 19 Martha Mews, Lavington	02 6023 3379
10 October	9.00am-5.00pm				
11 October	9.00am-3.00pm	Sarc	ANOS Sydney Group Sarcanthinae Show	Castle Glen Community Centre Ridgecrop Drive, Castle Hill	02 9481 8665
18 October	9.00am-3.30pm				
22-23 October	9.00am-5.00pm	Spring	Central Coast & Lakes OS Lakeside Plaza Show	Lakeside Plaza The Entrance Road, The Entrance	
24 October	9.00am-1.00pm				
22-24 October	Shopping Centre Hours	Spring	Northern Rivers Orc Species Soc Spring Show	Lismore Shopping Centre Lismore	02 6624 10237
22-25 October	Shopping Centre Hours	Spring	Western Suburbs OS Spring Show	Strathfield Plaza 11 The Boulevard, Strathfield	02 9718 6067
<b>Queensland</b>					
11-13 June	Shopping Centre Hours	Winter	Mackay & District OS Winter Show	Mt Pleasant/Greenfields Shopping Centre	07 4943 0150
10-11 July	9.00am-5.00pm	Winter	Caboolture Orchid Show 40th Anniversary Winter Show	Memorial Hall King Street, Caboolture (opp K-Mart)	07 5495 4087
12 July	9.00am-3.00pm				
17-18 July	9.00am-5.00pm	Winter	Townsville Orchid Society Winter Show	Townsville Orchid Society Hall Joe Kurwan Park, Charles Street, Kurwan	07 4773 4208
19 July	9.00am-4.00pm				
18 July	8.30am-4.00pm	Winter	John Oxley & District OS Annual Winter Show	The Auditorium Brisbane Botanic Gardens, Mt Coot-tha	07 3277 5825
19 July	9.00am-3.30pm				
26 July	Starts 8.30am	Winter	Proserpine Orc & Foliage Plant Local Field Day	Contact Club Secretary	07 4945 1643
31 July-1 August	8.30am-5.00pm	Winter	Darling Downs OS Combined Show	TBA	07 4635 5299
2 August	8.30am-3.00pm				
8 August	9.00am-5.00pm	Winter	Maroochydore OS Annual Orchid Show	Millwell Road Community Hall Millwell Road, Maroochydore	07 5479 0562
9 August	9.00am-2.00pm				
27-29 August	Shopping Centre Hours	Winter	Pine Rivers Orchid Society Winter Show	Deception Bay Shopping Centre Deception Bay	07 5497 5027
28-29 August	9.00am-9.00pm	Winter	Gold Coast Orchid Society Winter Show	Jupiters Pavilion, Gold Coast Showgrounds Parklands Drive, Southport, Gold Coast	07 5525 1668
30 August	9.00am-5.00pm				
29 August	8.30am-4.00pm	Winter	Logan & District Orchid Society LADOS Winter Show	Community Hall Cnr Jacaranda Ave & Wembley Rd, Logan	07 5546 1210
30 August	8.30am-3.00pm				



DATE	TIME	SEASON	ORCHID SOCIETY	SHOW ADDRESS	CONTACT No.
29 August	8.30am-4.00pm	Spring	North Brisbane Orchid Society	The Auditorium	07 3355 1281
30 August	9.00am-4.00pm		Spring Show	Brisbane Botanic Gardens, Mt Coot-tha	
4 September	9.00am-5.00pm	Spring	Nambour Orchid Society	Uniting Church Hall	07 5441 7201
5 September	9.00am-2.30pm		Spring Show	Coronation Avenue, Nambour	
4 September	8.30am-5.00pm	Spring	Childers & Isis District OS	Childers Cultural Centre	07 4126 7250
5 September	8.30am-2.30pm		Spring Show	Churchill Street, Childers	
10-11 September	8.30am-5.30pm	Spring	Lockyer Valley Orchid Society	Function Room, Cultural Centre	07 5465 4221
12 September	8.30am-3.30pm		Laidley Spring Festival Show	Laidley-Plainlands Road, Laidley	
11-13 September	9.00am-4.00pm	Spring	Queensland Orchid Society	The Auditorium	07 3800 3213
			Spring Show	Botanic Gardens, Mt Coot-tha	
12 September	8.30am-4.00pm	Spring	Ipswich Orchid Society	Ipswich State High School	07 3201 8307
13 September	8.30am-2.00pm		Spring Show	1 Hunter Street, Brassall, Ipswich	
17 September	8.30am-5.00pm	Spring	Noosa District Orc & Foliage Soc	RSL Memorial Hall	07 5449 9629
18 September	8.30am-2.30pm		Annual Spring Show	Maple Street, Cooroy	
17-18 September	8.30am-4.30pm	Spring	Maryborough District OS	St Pauls Memorial Hall	07 4121 5811
19 September	8.30am-1.00pm		Annual Spring Show	Adelaide Street, Maryborough	
17-18 September	9.00am-9.00pm	Spring	North Queensland OS Cairns	Rain Trees Shopping Plaza	07 4053 1334
19 September	9.00am-1.00pm		Spring Show	Manunda	
18 September	8.30am-5.00pm	Spring	Eastern District OS	Wondall Heights State School Assembly Hall	07 3286 4910
19 September	8.30am-3.00pm		Spring Show	Wondall Road, Manly West	
18-22 September	8.30am-5.00pm	Spring	Native Orc Soc of Toowoomba	Milne Bay Military Museum	07 4635 2274
			40th Anniversary Spring Show	Cnr O'Quinn Street & Anzac Avenue, Toowoomba	
18-23 September	8.30am-5.00pm	Spring	Toowoomba Orchid Society	St Pauls Lutheran Church Hall	07 4635 3620
			Spring Show	Cnr James & Phillip Streets, Toowoomba	
19 September	9.00am-5.00pm	Spring	Rockhampton Orchid Society	Rockhampton State High School	07 4922 4289
20 September	9.00am-3.00pm		Spring Show	Campbell Street, Rockhampton	
19-25 September	8.30am-5.00pm	Spring	Darling Downs OS	Centenary Heights High School Hall	07 4635 5299
26 September	8.30am-1.00pm		Spring Show	Cnr South Ramsay Street, Toowoomba	
24-25 September	8.00am-9.00pm	Spring	Sunshine Coast Orchid Society	Pelican Waters Shopping Centre	07 5491 5654
26 September	8.00am-3.00pm		'Pelican Waters Orchid Show'		
2 October	9.00am-4.00pm	Spring	Glasshouse Country OS	Beerwah Community Hall	07 5494 2301
3 October	9.00am-2.30pm		Spring Show	Peacheater Road, Beerwah	
2-3 October	9.00am-5.00pm	Spring	Townsville Orchid Society	Townsville Orchid Society Hall	07 4773 4208
4 October	9.00am-4.00pm		Spring Show	Joe Kurwan Park, Charles Street, Kurwan	
3 October	8.30am-4.00pm	Spring	Redlands Orchid Society	Donald Simpson Centre	07 3824 5931
			Autumn Show	172 Bloomfield Street, Cleveland	
8-10 October	9.00am-9.00pm	Spring	Gold Coast Orchid Society	Pines Shopping Centre	07 5525 1668
			Spring Display	KP McGrath Drive, Elanora, Gold Coast	
8-10 October	Shopping Centre Hours	Spring	Mackay & District OS	Mt Pleasant/Greenfields	07 4943 0150
			Spring Show	Shopping Centre	
10 October	9.00am-4.00pm	Spring	Bribie Island Orchid Society	Bribie Island State High School	07 3410 1919
11 October	9.00am-2.00pm		Spring Show	Student Centre	
15-17 October	Shopping Centre Hours	Spring	Pine Rivers Orchid Society	Aspley Pick N Pay Hypermarket	07 5497 5027
			Spring Show	Gayford Road, Aspley	
18-19 October	8.30am-5.00pm	Spring	Native Orc Soc of Toowoomba	Walsh's Garden Centre	
			Sarcophilus Festival	881 Ruthven Street (South), Toowoomba	
31 October	8.00am-4.00pm	Spring	Beaudesert District Orc/Foliage	Canungra Community Hall	07 5543 2108
1 November	9.00am-2.00pm		Spring Show	2 Pine Street, Canungra	
<b>Victoria</b>					
6 June	9.00am-4.30pm	Winter	Melbourne Eastern OS	Burwood Heights Uniting Church Hall	03 9807 6206
7 June	Noon-4.30pm		Winter Show	cnr Burwood Highway & Blackburn Road	
8 June	9.00am-4.30am			East Burwood	
27-28 June	10.00am-4.00pm	Winter	Geelong Orchid & Indoor Plant	Christchurch Hall	
			'Country of my choice'	Cnr Moorabool & McKillop Streets, Geelong	
27 June	9.00am-4.00pm	Winter	North East Melbourne OS	Bulleen Heights School	
28 June	10.00am-4.00pm		Winter Show	Pleasant Road, Bulleen	
4 July	Noon-5.00pm	Winter	Country Clubs Challenge	Town Hall Complex	
5 July	9.00am-3.00pm			Napier Street, St. Arnaud	
11-12 July	TBA	Winter	Maribyrnong OS	Maribyrnong Community Centre	
			Winter Show	Randall Street, Maribyrnong	
17 July	7.30pm-9.30pm	Winter	Horsham & District OS	Wimmera Base Hospital	03 5382 5520
			Winter Show	Day Care Room	
17 July	9.00am-9.00pm	Winter	Sunraysia Orchid Club	Centro Shopping Plaza	03 5025 7305
18 July	9.00am-5.30pm		Winter Show	Cnr 15th Street & Deakin Avenue	
19 July	10.00am-5.00pm			Mildura	
18-19 July	9.30pm-4.00pm	Winter	Yarra Valley OS	B&T Orchids & Ferns	
			Winter Show	30 Wiseman Road, Sylvan	
18-19 July	9.00am-4.30pm	Winter	Victorian Orchid Club	Red Cross Centre	03 9478 9764
			Winter Show	Gate 8 Waterdale Road, Heidelberg	
25 July	9.00am	Winter	Maroondah Orchid Society	Beaumont Hall, Blackburn High School	03 9801 1628
			Market Day & Show	Cnr Springfield & Williams Rd, Blackburn	
25 July	9.00am-4.30pm	Winter	Warrigal Orchid Society	St Sava Community Hall	03 9817 2753
26 July	9.30am-4.30pm		Winter Show	212 Diamond Creek Road, Greensborough	

## SHOWDATES

DATE	TIME	SEASON	ORCHID SOCIETY	SHOW ADDRESS	CONTACT No.
26 July-1 August	Shopping Centre Hours	Winter	Bayside Orchid Society Winter Show	Centro Cranbourne Shopping Centre High Street, Cranbourne	03 5978 6045
2-8 August	Shopping Centre Hours	Winter	Mornington Peninsular OS Winter Show	Gateway Village Shopping Centre Langwarrin	
8-9 August	9.00am-4.00pm	Winter	Melbourne Western OS Winter Show	Senior Citizens Centre Synnot Street, Werribee	
21 August	9.00am-9.00pm	Winter	OSCOV Show	Springer's Leisure Centre Cheltenham Road, Keysborough	
22 August	9.00am-6.00pm				
23 August	9.00am-4.00pm				
28 August	8.00am-5.00pm	Spring	Riverland Orchid Society Riverland Orchid Spectacular	Berri Town Hall Berri	
29 August	8.00am-4.00pm				
28 August	9.00am-9.00pm	Winter	Gippsland Orchid Club Club Show	Midvalley Shopping Centre Princes Highway, Morwell	03 5163 1246
29 August	9.00am-5.30pm				
30 August	9.00am-4.00pm				
4 September	9.30am-4.00pm	Spring	South Gippsland OS Spring Show	Town Hall Baillieu Street, Wonthagi	
5 September	9.30am-3.30pm				
4-6 September	9.00am-5.00pm	Spring	Cymbidium Orchid Society of Victoria	Springvale Town Hall Sprinvale Road, Springvale	
5-6 September	10.00am-4.00pm	Spring	Murray Valley Orchid Club Spring Show	Scout Hall Welsford Street, Shepparton	
5 September	9.00am-5.00pm	Spring	Sale & District Orchid Club Spring Show	Cathedral Hall Cnr Macallister & Pearson Streets, Sale	03 5144 3302
6 September	10.00am-4.00pm				
5-6 September	10.00am-4.00pm	Spring	Southern Suburbs OS Spring Show	Senior Citizens Hall Cnr Exley Drive & Nepean Highway, Moorabbin	
10-12 September	9.00am-5.00pm	Spring	AOC Orchid Conference & Show	Leisure & Events Centre Derrimut Werribee	
13 September	9.00am-3.00pm				
18 September	9.00am-9.00pm	Spring	Sunraysia Orchid Club Spring Show	Centro Shopping Plaza Cnr 15th Street & Deakin Avenue Mildura	03 5025 7305
19 September	9.00am-5.30pm				
20 September	10.00am-5.00pm				
19 September	9.00am-4.00pm	Spring	North East Melbourne OS Spring Show	Bulleen Heights School Pleasant Road, Bulleen	
20 September	10.00am-4.00pm				
19 September	9.00am-4.00pm	Spring	West Gippsland Orchid Club Spring Show	Anglican Hall Princes Way, Drouin	03 5625 2170
20 September	9.00am-4.00pm				
19 September	9.00am-4.30pm	Spring	Goulburn Valley Orchid Club Spring Show	Senior Citizens Club Rooms Welsford Street, Shepparton	
20 September	9.00am-4.00pm				
19 September	9.00am-4.00pm	Spring	Bairnsdale & District Orc Group Annual Spring Show	Lucknow Hall Omeo Highway, Lucknow	
20 September	9.00am-3.30pm				
19 September	10.00am-4.30pm	Spring	Mid Murray Orchid Club Spring Show	Memorial Hall Nolan Street, Kerang	03 5452 0290
20 September	10.00am-3.30pm				
19-20 September	9.00am-4.30pm	Spring	Victorian Orchid Club Spring Show	Red Cross Centre Gate 8 Waterdale Road, Heidelberg	03 9478 9764
21-27 September	Shopping Centre Hours	Spring	Bayside Orchid Society Spring Show	Centro Brandon Park Shopping Centre Cnr Ferntree Gully Rd & Springvale Rd, Wheelers Hill	03 5978 6045
25-26 September	9.30am-5.00pm	Spring	Stawell Orchid Society Spring Show	Stawell Entertainment Centre Stawell	03 5358 1524
27 September	9.30am-4.00pm				
26 September	9.00am-5.00pm	Spring	Maroondah Orchid Society Market Day & Show	Blackburn High School Cnr Springfield & Williams Rd, Blackburn	03 9801 1628
27 September	9.00am-4.00pm				
26-27 September	9.00am-4.00pm	Spring	Berwick Orchid Club Spring Show	Berwick Senior Citizens Club Hall 112 High Street, Berwick	
2 October	9.00am-9.00pm	Spring	Gippsland Orchid Club Club Spring Show	Midvalley Shopping Centre Princes Highway, Morwell	03 5163 1246
3 October	9.00am-5.30pm				
4 October	9.00am-4.00pm				
2 October	1.00pm-5.00pm	Spring	Bendigo Orchid Club Inc Spring Show	YMCA Leisure Centre Browning Street Kangaroo Flat	03 5446 1026
3 October	10.00am-5.00pm				
4 October	10.00am-4.00pm				
3 October	9.00am-4.30pm	Spring	Melbourne Eastern OS Spring Show	Burwood Heights Uniting Church Hall cnr Burwood Highway & Blackburn Road East Burwood	03 9807 6206
4 October	12noon-4.30pm				
3-4 October	10.00am-4.00pm	Spring	Geelong Orchid & Indoor Plant 'Cooks Garden'	Christchurch Hall Cnr Moorabool & McKillop Streets, Geelong	
3 October	9.00am-5.00pm	Spring	Ringwood Orchid Society Spring Show	Maroondah College Hall Brentnail Road, Croydon	
4 October	9.00am-4.00pm				
3 October	10.00am-4.00pm	Spring	Warrnambool District OS Spring Show	Warrnambool College Hall Grafton Road, Warrnambool	
4 October	10.00am-3.00pm				
3 October	9.00am-4.30pm	Spring	Warringal Orchid Society Spring Show	St Sava Community Hall 212 Diamond Creek Road, Greensborough	03 9817 2753
4 October	9.30am-4.30pm				
3 October	9.00am-5.00pm	Spring	Horsham & District OS Spring Show	Horsham Town Hall Wilson Street, Horsham	03 5382 5520
4 October	9.00am-4.00pm				
3 October	9.00am-4.30pm	Spring	Melbourne Eastern OS Spring Show	Uniting Church Cnr Burwood Highway & Blackburn Road, East Burwood	
4 October	Noon-4.30pm				
10-11 October	10.00am-4.00pm	Spring	Colac Orchid Club	Assembly Hall, Colac High School Murray Street, Colac West	
10 October	9.00am-5.00pm	Spring	St Arnaud Orchid Society	RSL Hall Raglan Street, St Arnaud	
11 October	10.00am-4.00pm				

DATE	TIME	SEASON	ORCHID SOCIETY	SHOW ADDRESS	CONTACT No.
11-17 October	Shopping Centre Hours	Spring	Mornington Peninsular OS Spring Show	Centro Karingal Shopping Centre Karingal	
17 October	9.00am-5.00pm	Spring	Yarra Valley OS	Seville Hall	03 9725 7513
18 October	10.00am-4.00pm		25th Annual Orchid Festival	Warburton Highway, Seville	
17 October	9.00am-4.30pm	Spring	Cobden & District OC	Cobden Civic Hall	03 5598 3463
18 October	9.30am-4.00pm			Victoria Street, Cobden	
24 October	10.00am-5.00pm	Spring	Ararat Orchid Society	Ararat Arts Activity Centre	03 5352 2715
25 October	10.00am-4.00pm			Barkly Street, Ararat	
31 October	9.30am-5.00pm	Summer	Stawell Orchid Society	Halls Gap Hall	03 5358 1524
1 November	9.30am-4.00pm		Summer Show	Main Street, Halls Gap	
31 October	10.00am-5.00pm	Summer	Bayside Orchid Society	Chisholme Institute of TAFE	03 5978 6045
1 November	10.00am-4.00pm		Summer Show	2 New Holland Drive, Cranbourne East	
31 October	TBA	Summer	Mornington Peninsular OS	St Pauls Church Hall	
1 November				High Street, Frankston	
7-8 November	10.00am-4.00pm	Spring	ANOS Geelong Group Annual Show	Masonic Centre Regent Street, Belmont	
7-8 November	9.30am-4.00pm	Summer	Yarra Valley OS	B&T Ferns 37 Wiseman Road, Silvan	
14-15 November	10.00am-4.00pm	Spring	Maribyrnong OS Sarcophilus Festival of Victoria	Maribyrnong Community Centre Randall Street, Maribyrnong	
14 November	10.00am-5.00pm	Spring	Yarra Valley OS	B&T Ferns	03 9725 7513
15 November	10.00am-4.00pm		Sarcophilus Show	37 Wiseman Road, Silvan	

## South Australia

21-27 June	Shopping Centre Hours	Winter	Gawler Districts Orchid Club Winter Show	St Agnes Shopping Centre North East Road, St Agnes	08 8255 7348
3 July	Noon-5.00pm	Winter	Murray Bridge & Districts OC Winter Show	Johnstone Park Combined Clubs Hall	08 8532 5607
4-5 July	10.00am-4.00pm			Imperial Football Park Grounds, Adelaide Road, Murray Bridge	
11 July	Noon-5.00pm	Autumn	South Aust Orchidaceous Soc Autumn Show	Klemzig Band Hall 7 O.G. Road, Klemzig	08 8356 9523
12 July	10.00am-4.00pm				
11-12 July	10.00am-4.00pm	Winter	Port Lincoln Orchid Club Winter Show	Kallinyalla Nursery Shaen Street, Port Lincoln	08 8682 8237
12 July	11.00am-5.00pm	Winter	Cymbidium Orchid Club of SA Winter Show	Munno Para Shopping Centre 600 Main North Road, Smithfield	08 8252 3812
13-15, 17 July	9.00am-5.30pm				
16 July	9.00am-9.00pm				
18 July	9.00am-5.00pm				
24 July	10.00am-3.00pm	Winter	Port Augusta Orchid Club Winter Show	Port Augusta Garden Club Hall Cnr Paringa Rd & Elizabeth Tce, Port Augusta	08 8643 6061
25 July	10.00am-2.00pm				
27 July	7.30pm-10.00pm	Winter	Mount Gambier & Districts OC Winter Show	Reidy Park Centre O'Halloran Terrace, Mount Gambier	08 8725 9051
9-15 August	Shopping Centre Hours	Winter	South Aust Orchidaceous Soc Winter Show	Parabanks Shopping Centre Salisbury	08 8356 9523
23 August	11.00am-5.00pm	Spring	Cymbidium Orchid Club of SA Spring Show	Westfield Lakes Shopping Centre 111 West Lakes Boulevard, West Lakes	08 8235 0340
24-26, 28 August	9.00am-5.30pm				
27 August	9.00am-9.00pm				
29 August	9.00am-5.00pm				
16-20 September	10.00am-4.00pm	Spring	Port Lincoln Orchid Club Spring Show	Kallinyalla Nursery Shaen Street, Port Lincoln	08 8682 8237
18 September	Noon-5.00pm	Winter	Murray Bridge & Districts OC Spring Show	Town Hall Bridge Street, Murray Bridge	08 8532 5607
19-20 September	10.00am-4.00pm				
18-21 September	Business Hours	Spring	Mount Gambier & Districts OC Spring Show	Banner Hardware Sturt Street, Mt Gambier	08 8725 9051
20-26 September	Shopping Centre Hours	Spring	Gawler Districts Orchid Club Spring Show	Centro Hollywood Shopping Centre Cnr Winzor St & Spains Rd, Salisbury Downs	08 8255 7348
20-26 September	Shopping Centre Hours	Spring	South Aust Orchidaceous Soc Spring Show	Burnside Village Shopping Centre Burnside	08 8356 9523
25 September	10.00am-3.00pm	Spring	Port Augusta Orchid Club Spring Show	Port Augusta Garden Club Hall Cnr Paringa Rd & Elizabeth Tce, Port Augusta	08 8643 6061
26 September	10.00am-2.00pm				

## ACT

19 September	11.00am-5.00pm	Spring	Canberra Orchid Society	St John's Hall	02 6258 5734
20 September	12noon-4.30pm		Spring Show	Constitution Avenue, Reid, ACT	

## Western Australia

9-11 July	Shopping Centre Hours	Winter	Wanneroo Orchid Society Wanneroo Show	Wanneroo Shopping Centre Wanneroo	08 9405 8759
14 July	8.00am-9.00pm	Winter	Bunbury Orchid Society	Forum Shopping Centre	08 9797 1842
15 July	8.00am-6.00pm		Forum Winter Orchid Show	Sandridge Road, Bunbury	
16 May	8.00am-4.00pm				
23 July	9.00am-9.00pm	Winter	Albany Orchid Society	North Road Shopping Complex	08 9841 6915
24 July	9.00am-6.00pm		Winter Show	North Road, Albany	
25 July	8.30am-12.30pm				

## SHOWDATES

DATE	TIME	SEASON	ORCHID SOCIETY	SHOW ADDRESS	CONTACT No.
11 September	10.00am-4.00pm	Spring	Augusta & Districts OS	Watershed Winery	08 9757 2490
12 September	10.00am-3.00pm		Annual Show	Cnr Darch Road & Bussell Hwy, Margaret River	
16-19 September	Shopping Centre Hours	Spring	Wanneroo Orchid Society	Joondalup Shopping Centre	08 9405 8759
			Joondalup Show	Joondalup	
17 September	8.00am-9.00pm	Spring	Bunbury Orchid Society	Forum Shopping Centre	08 9797 1842
18 September	8.00am-6.00pm		Forum Spring Orchid Show	Sandridge Road, Bunbury	
19 September	8.00am-4.00pm				
24 September	9.00am-9.00pm	Spring	Albany Orchid Society	North Road Shopping Complex	08 9841 6915
25 September	9.00am-6.00pm		Spring Show	North Road, Albany	
26 September	8.30am-12.30pm				

### Tasmania

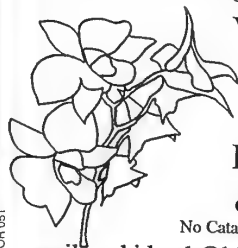
16 July	TBA-7.00pm	Winter	Launceston Orchid Society	Uniting Church Hall	03 6330 1294
			Winter Show	George Town Road, Newnham	
2 October	11.00am-5.00pm	Spring	Launceston Orchid Society	Glenara Lakes Hall	03 6330 1294
3 October	9.00am-5.00pm		Spring Show	Youngtown	
4 October	9.00am-4.00pm				
9 October	2.00pm-5.00pm	Spring	Burnie Orchid Society	Bradden Hall	03 6435 2708
10 October	9.00am-5.00pm		Spring Show	Burnie Civic Centre	
11 October	9.00am-4.00pm				

### New Zealand

13 June	10.00am-4.00pm	Winter	Orchid Club NZ, AGM	Community Leisure Centre	06 323 2417
14 June	10.00am-1.00pm		Winter Show, Palmerston Nth	569 Fergusson St, Palmerston North	
5 July	1.00pm-3.30pm	Winter	Waikato Orchid Society	Chartwell Rooms	+64 7849 6092
			Winter Show	Hamilton Gardens, Cobham Drive, Hamilton	
17-18 July	10.00am-5.00pm	Winter	NZ Orchid Society	Mt Albert War Memorial Hall	+64 9411 9383
19 July	10.00am-4.00pm		Winter Show	New North Road, Mt Albert	
18 July	10.00am-4.00pm	Winter	Hawkes Bay Orchid Society	Clive Hall	06 877 7013
			Winter Show	Main Road, Clive	
15 August	9.00am-4.00pm	Winter	South Auckland Orchid Society	East Street	
			Winter Show	Papakura	
21 August	1.00pm-4.00pm	Spring	Waitakere Orchid Club	Kelston Community Centre	0274 418568
22-23 August	9.00am-4.00pm		Spring Show	Great North Road, Kelston, Waitakere	
21-23 August	10.00am-4.00pm	Spring	Levin & Districts	Memorial Hall	04 905 7129
			Spring Show	Queen Street, Levin	
12-13 September	10.00am-4.00pm	Spring	Taranaki Orchid Society	Highlands Intermediate School Hall	06 765 6259
			Spring Show	260A Coronation Avenue, New Plymouth	
18-19 September	10.00am-5.00pm	Spring	NZ Orchid Society	Mt Albert War Memorial Hall	+64 9411 9383
20 September	10.00am-4.00pm		Spring Show	New North Road, Mt Albert	
19-20 September	10.00am-4.00pm	Spring	Hawkes Bay Orchid Society	Taradale Town Hall	06 877 7013
			Spring Show	Cnr Lee & Meeanee Roads	
26 September	11.30am-4.00pm	Spring	Waikato Orchid Society	Hamilton Gardens Complex	+64 7849 6092
27 September	10.00am-3.00pm		Spring Show	Cobham Drive, Hamilton	
26 September	12.30pm-4.00pm	Spring	Nelson Orchid Society	Hope Hall	03 548 8601
27 September	10.00am-4.00pm		Nelson Orchid & Alpine Show	Hope, Richmond	
26-27 September	10.00am-4.00pm	Spring	Manuatu Orchid Society	Community Leisure Centre	06 323 2417
			Spring Show	569 Fergusson St, Palmerston North	
3-4 October	10.00am-4.00pm	Spring	Wairarapa Orchid Circle	Masterton Town Hall	06 377 0828
			Spring Show		
10-11 October	Show Hours	Spring	Wanganui Orchid Society	Memorial Hall	06 344 6080
			'Orchids for Everyone' Show	Queens Park, Wanganui	
7 November	10.00am-4.00pm	Summer	Hawkes Bay Orchid Society	Taradale Town Hall	06 877 7013
			Sarcocochilus Show	Cnr Lee & Meeanee Roads	

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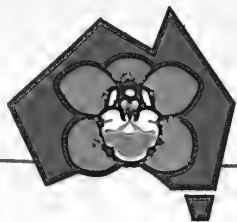
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email:  
stephenstebbing@aapt.net.au





# Cymbidiums Australia

PRESENTED BY THE AUSTRALIAN CYMBIDIUM SOCIETY INC.

## Editor's Report

**B**y the time you receive this issue the first of the Winter Cymbidium Shows should be only weeks away and the show season will all but in full swing. For many club members we are now into the busiest time of the year and the next few months will be hectic indeed. For many it's not just a matter of training spikes and preparing plants, but also planning displays, organising shows and judging them too. It's a good thing cymbidiums don't flower a consistently year round as they do at this time of year, by October most growers and club stalwarts are glad of the break!

This issue we have the National Cymbidium Show schedule and rules for your information. We hope you've put aside the 4th, 5th and 6th of September to be in Springvale, Melbourne for the event. A copy of this year's national Cymbidium show poster is also included.

Graham Morris brings us part 3 of his in depth series for beginners. This outstanding series from Graham has all the makings of a "how to" book on growing cymbidiums, should he ever have the time and inclination to do it, though we haven't asked Graham if he's considering that as a possibility and would hardly blame him if he's not.

Jim Duran from the famous McBeans nursery in the UK gives us

an update in words and pictures of what's going on with the nursery and their large (emphasis on the large) flower cymbidium breeding. Jim has been with McBeans for some 37 years, yet believes this last winter was the worst he has known. We'd hate to see their heating bills!

Rob Smith takes a look at a favourite cymbidium and the memories that accompany it and in a separate article, makes some observations on the possible pitfalls when buying orchids, particularly for newer growers.

Although this year's national Cymbidium Show is still 3 months away, The Cymbidium Orchid Club of Western Australia is well advanced towards the hosting of the first National Cymbidium Show in that state. We will start bringing you information about the event as it comes to hand. Hopefully, like us, you will be making plans to visit W.A. for the show next year. Rob says it is over 30 years since he was in W.A. but he has great memories of the time he lived and worked there and is looking forward to going back. For us it will be a holiday centred around the show, if you have never been, why not plan yourself a holiday around the show too. W.A. is a great part of Australia and Perth is a beautiful city.

Good health and good growing. ■

*Your editors*

## HOW TO JOIN A CYMBIDIUM CLUB IN YOUR STATE

### CYMBIDIUM ORCHID CLUB OF SOUTH AUSTRALIA INC.

Meetings are held on the 4th Wednesday of each month (except December and January)

Auditorium open from 7.00 p.m. —

Beginners' Group commences 7.20 p.m.

Main Meeting commences 8.00 p.m.

Venue: Burnside Community Centre, 401 Greenhill Road, Tasmore, Adelaide, S.A.

For further details contact

Secretary, Jeanne Hall,

18 Coorilla Avenue, Glenelg North, S.A. 5045

Phone: (08) 8294 5562

President, Ray Brady,

Phone: (08) 8252 3812

### THE CYMBIDIUM ORCHID CLUB OF WESTERN AUSTRALIA INC.

Meetings are held on the 3rd Monday of each month (except January and February)

Benching of plants commences 7.15 p.m.

Main Meeting commences 7.30 p.m.

Venue: Belmont Sports & Recreation Club,

Abernethy Road, Belmont, W.A.

For further details contact

President, Helen Stretch

Phone: 0419 197 943

Acting Secretary, Alice Lang,

Phone: (08) 9257 1056

### THE CYMBIDIUM ORCHID SOCIETY OF VICTORIA INC.

Meetings are held on 2nd Tuesday of each month (except January)

Popular Vote commences 7.50 p.m. —

Main Meeting commences 8.00 p.m.

Venue: Mt. Waverley Youth Centre, Millers Crescent, Mt. Waverley, Victoria.

For further details contact

Secretary, Jennifer Robertson,

54 Worthing Road, Devon Meadows, Victoria 3977

Phone: (03) 5998 2226

President, Glenda Coutts,

Phone: (03) 9727 4849

### CYMBIDIUM CLUB OF AUSTRALIA INC.

(The CCA is no longer affiliated with ACS)

Meetings are held on the 2nd Thursday of each month (except December, January and February)

Meetings commence 8.00 p.m.

Venue: Lakemba Chapter Remembrance Hall, 220 Lakemba Street, Lakemba, Sydney, N.S.W.

For further details contact

Secretary, Peter Moore,

10 Stephanie Street,

Padstow, N.S.W. 2211

Phone: (02) 9721 0572

President, Geoff LeMarne,

Phone: (02) 9449 9648

Web: [www.ccansw.com.au](http://www.ccansw.com.au)

## Editors



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Rosebud, Vic 3939

Tel/Fax: (03) 5986 1121

Email:

[aussiecyms@internode.on.net](mailto:aussiecyms@internode.on.net)



Fleurijn Orchids-Holland

# 2009 National Cymbidium Orchid Show

Hosted by Cymbidium Orchid Society of Victoria

Presented by Australian Cymbidium Society

To be held on Friday 4th September 2009, 2pm to 9pm

Saturday 5th September 2009, 9am to 5pm Sunday 6th September 2009, 9am to 4pm

Venue: Springvale City Hall, Springvale Road, Springvale, Victoria

*Champion***Plant Section**

Champion Plant Of The Show	\$500 + Trophy
Champion Large Flower Type	\$150 + Sash
Champion Small Standard Type	\$150 + Sash
Champion Intermediate Type	\$150 + Sash
Champion Miniature Type	\$150 + Sash
Champion Specimen	\$150 + Sash
Champion Novelty	\$150 + Sash
Champion Seedling	\$150 + Sash

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Orchids For You Vic
K & C Gillespie Vic
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C & N Cleak Vic
Aranen Orchids Vic

**Cut Stem Section**

Champion Cut Stem Of The Show	\$200 + Trophy
Champion Large Flower Type	\$50 + Sash
Champion Small Standard Type	\$50 + Sash
Champion Intermediate Type	\$50 + Sash
Champion Miniature Type	\$50 + Sash
Champion Novelty	\$50 + Sash
Champion Seedling	\$50 + Sash

Australian Cymbidium Society
Ezi-Gro Orchids WA
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Ezi-Gro Orchids WA
Duralite Horticultural Supplies Vic
Australian Orchid Nursery Vic
Australian Orchid Nursery Vic

Champion Display Theme/Artistic	\$200 + Trophy
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Australian Cymbidium Society
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Champion Display Non Theme/Artistic	\$200 + Trophy
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Australian Cymbidium Society
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Dean Roesler Trophy	\$200 + Trophy
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Australian Cymbidium Society
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**(For the Most Eye-Catching Cymbidium Plant or Cut Stem)**

Best Display by a State Club	\$200 + Trophy
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Australian Cymbidium Society
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**Large Display Incorporating A Theme/Artistic**

<i>Sponsored by</i> COCWA
Duralite Horticultural Supplies Vic
Garden City Plastics Vic

Gold Sash	\$150
Silver Sash	\$100
Bronze Sash	\$75

**Large Display**

<i>Sponsored by</i> COCSA
Duralite Horticultural Supplies Vic
Garden City Plastics Vic

Gold Sash	\$150
Silver Sash	\$100
Bronze Sash	\$75

**Medium Display Incorporating a Theme/Artistic**

<i>Sponsored by</i> COSV
Garden City Plastics Vic
Sage Horticultural Vic

Gold Sash	\$150
Silver Sash	\$100
Bronze Sash	\$75

**Medium Display**

<i>Sponsored by</i> Alrob Landscaping Vic
Pauline's Laboratory Services SA
Sage Horticultural Vic

Gold Sash	\$150
Silver Sash	\$100
Bronze Sash	\$75

**Small Display Incorporating a Theme/Artistic (2mt X 2mt)**

*Sponsored by* Neutrog  
C & D Allen  
B & T Ferns & Orchids Vic

Gold Sash	\$100
Silver Sash	\$ 75
Bronze Sash	\$ 50

**Small Display (2mt X 2mt)**

*Sponsored by* Neutrog  
Neutrog  
Robson Concreting & Landscaping Vic

Gold Sash	\$100
Silver Sash	\$ 75
Bronze Sash	\$ 50

## *Special Classes*

*Sponsored by Sage Horticultural Vic*

### **Plant & Cut Stem Classes**

*(Plants and Cut Stems eligible for Special Classes)*

Class 29 (N)	Cymbidium species / Primary Hybrid
Class 30 (N)	Vintage Cymbidium

**(Vintage Cymbidium:** A Cymbidium registered over 40 years ago will be eligible to compete in the vintage class.)

**\* NB:** The year of registration of the nominated plant is to appear under the Plant name, on the name display card.

*It is expected and in the spirit of the National Show that a cut stem or stems will be cut from the plant/s in the exhibitor's home state. The racemes then put in vials and boxed to travel to the National Show.*

## **Leon & Wim Van Rijn**

### *Fleurijn Orchids-Holland Award*

1st ~ \$500.00	2nd \$250.00	3rd \$100.00
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***This special award is for plants suitable for cut flower trade. The winning plants are to be solely owned by the exhibitor.***

The class is specific to large flower types with the emphasis on fast maturation, vigour and floriferousness. Show or award shape is not an advantage, although it isn't objected to, while basically flat flowers that hold their shape and are well spaced on the stem are preferred. Tall, strong stems with essentially upright habit are preferred and the stem should have a good length before the

first flower is reached. Colours and markings should be clear and defined.

**NB:** This is a Notifiable Class it is separate from the rest of the ACS Show Schedule.

The Fleurijn Orchids-Holland Award will be judged by the sponsor or his nominee.

Large Flower & Small Standard Type seedlings from classes 13N & 27N will automatically be entered in the Fleurijn Orchids-Holland Award.

## **The Dean Roesler Memorial Trophy is for a most eye catching Cymbidium**

### ***The Cymbidium plant or cut stem –***

should have eye appeal, whether due to a distinct feature or colour or its overall visual effect and floral display. The plant/cut stem should be in show condition. All judging panels to choose an eye catching Cymbidium from each section they have been assigned to judge. Those

plants/cut stems are to be brought out for all judges to vote on.

All ACS national cymbidium shows are to be single genera shows staged for the promotion, recognition and judging of cymbidiums and only cymbidiums shall be exhibited or displayed.

**All Sashes and Ribbons Sponsored by Collectors Corner – Orchid World**

# **FLEURIJN ORCHIDS-HOLLAND 2009**

## **NATIONAL CYMBIDIUM SHOW**

**PRESENTED BY THE AUSTRALIAN CYMBIDIUM SOCIETY  
HOSTED BY THE CYMBIDIUM ORCHID SOCIETY OF VICTORIA**



**VENUE : SPRINGVALE CITY HALL  
SPRINGVALE ROAD, SPRINGVALE, VICTORIA  
FRIDAY 4<sup>TH</sup> SEPTEMBER 12PM - 8.30PM  
SATURDAY 5<sup>TH</sup> SEPTEMBER 9AM - 5PM  
SUNDAY 6<sup>TH</sup> SEPTEMBER 9AM - 4PM**

**AUSTRALIA'S BIGGEST AND BEST CYMBIDIUM ORCHID SHOW**

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**ADMISSION \$5.00**



# Cymbidium Classification and Definitions

Cymbidiums should be subdivided into the following classes:-

- 1 \***Large-Flower Type:** The majority of the flowers *should be* over 100 mm (at the widest point measured horizontally). Large Flowered Type Cymbidiums must have a minimum of seven (7) fully open flowers and should show characteristics of the type.
- 2 \***Small Flower Standard Type:** The majority of the flowers *should be* between 85mm to 100mm (at the widest point measured horizontally) and should show characteristics of the type. Small Flower Standard Type clones or hybrids will be considered where appearance, habit and/or parentage indicate a small standard
- 3 \***Intermediate Type:** The majority of the flowers *should be* between 60 mm and 85 mm (at the widest point measured horizontally) and should show characteristics of the type. Intermediate Type clones or hybrids will be considered where appearance, habit and/or parentage indicate an intermediate outcome.
- 4 \***Miniature Type:** The majority of the flowers *should be* less than 60 mm (at the widest point measured horizontally) and should show characteristics of the type. Miniature Type clones or hybrids will be considered where appearance, habit and/or parentage indicate a miniature outcome.
- 5 \***Species / Primary Hybrids:** The plants in this category are being judged for their characteristics and traits as species/primary hybrids. There are over 50 known cymbidium species and their varieties, with many more synonyms in the species category. Cymbidium judges are encouraged to gain a working knowledge of the main common species exhibited on the show bench. They

should be able to recognise superior shape, colour, size and floriferousness.

**Seedling:** is the whole plant raised from seed, which has not been divided, with no leads removed for cloning purposes and is being shown for the first time, at any show/meeting under any judging system.

It should be an immature plant. It would be expected to produce a representative flowering in a pot no larger than 200mm. (eight (8) inches). Where appearance, habit and/or parentage indicate a predominance of genes compatible with a specific type the outcome shall be considered and the cymbidium placed in the most appropriate class. For show purposes the plant maintains its seedling status for the current flowering season.

**Parentage** should be considered in the assessment of which size class is appropriate for flowers presented on obviously immature plants. If it could reasonably be assumed that given a plants parentage and the immature nature of the plant, that future flowerings on a mature plant would give a different and more consistent flower size outcome, then that likelihood should be taken into account when judging the exhibit.

At shows the plant name label should carry the names of the parents use in the seedling cross.

**When judging all types a sight evaluation, and not a ruler, should determine the flower type.**

\*Where appearance, habit and/or parentage indicate a predominance of genes compatible with a specific type the outcome shall be considered and the cymbidium placed in the most appropriate class.

\*When judging previously judged, awarded, or common well known cymbidiums should be judged as the size they are generally accepted to be regardless of

the flower size on a particular plant in question.

**Novelty Cymbidium:** is defined as one of the following type, where the dominant feature of each type will be: a) Peloric, b) spotted, c) striped, d) feathered or e) variegated flowers.

**Pastel:** is essentially a single even, soft, or pale colouring, generally consistent in tone over the surface of both sepals and petals.

**Blush/Splash Petal:** This applies to all variations of Pink & Red colour overlay in the sepals and petals of *Cymbidium* flowers (a typical example being *Cym. Valley Splash 'Awesome'*), **excluding** the novelty (as above) and combinations of colours in flowers such as *Cym. Cronulla 'The Khan'*

**Definition of Colour Break is:** - "random areas of colour, or lack of colour, which appears irregularly on some segments of a flower or flowers". The question of whether plants and/or cut stems will be penalised for colour break, and whether this defect is properly identified as such, will be resolved by Panel vote as matters arise during the judging at a show or monthly meeting.

## Specimen:

*Large Flower Type Specimen* should have a minimum of 5 inflorescences

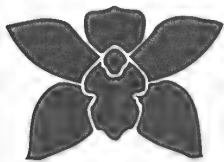
*Small Standard Type Specimen* should have a minimum of 5 inflorescences

*Intermediate Flower Type Specimen* should have a minimum of 6 inflorescences

*Miniature Flower Type Specimen* should have a minimum of 7 inflorescences

All states hosting a national cymbidium show shall comply with the minimum show schedule current at the time.

The ACS and the host state reserves the right to photograph, for its own purposes or for publication in any form, any exhibit.



DAVID  
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ORCHIDS

## CYMBIDIUM ORCHIDS

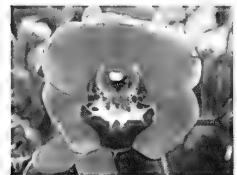
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# Cymbidium Orchids for Beginners – in six easy lessons – part 3

Text and pictures by Graham Morris

## 6. How to get the best out of your orchids

The first three or four months after flowering finishes, is the most important time of the year, in which lots of small decisions and actions, will decide how successful the next flowering season will be. Most successful growers are busy in the period, from mid August, to the end of November, checking and boosting the condition of their plants and ensuring they can take advantage of that good growing period. Most of the flower spikes will be initiated in this time.

Plants can be divided into three categories.

- a. Plants which flowered successfully in the season just finished
- b. Plants which should have flowered but did not
- c. Smaller plants which are now big enough to flower next season
  - a. Plants which have finished flowering,

and those about to finish, have been through a stress period. Flowering takes a lot out of a plant, especially if it had a lot of flowers, or was in a relatively dark and dry environment, in a domestic building or an orchid club show venue. Artificial lighting and hot, dry, air conditioning atmospheres are not what a cymbidium enjoys.

*Inspect each plant and assess if it needs special attention.* Many will require potting on, into a larger pot, or dividing into two or three pieces. More on that in a later article. Some plants just look soft (often dusty). Be prepared to knock the plant out of the pot and inspect the root system.

The root system is a good indicator of how happy the plant is. Many will have a very tight root ball, with mainly firm white, or cream coloured roots. This condition is great, unless it is completely root bound, with little, or no potting mix visible. If it is thoroughly root bound, it is wise to consider potting it on – see next edition.

Leaving it for one more year may be ok, but by then, the root system may just be completely overgrown. If the root ball contains lots of black, soft and hollow roots, or if the potting medium has obviously decayed badly, the plant needs immediate and significant attention. With sterile cutting tools, secateurs, knives etc, remove all dead or poor quality roots, and most of the decaying potting mix. You may be left with just a few roots, sometimes, virtually none. At our nursery, we generally remove at least half of the roots immediately. Just cut off the bottom half of the root ball and then trim any remaining poor quality roots, as required. Don't be afraid to remove lots of roots. The plant will relatively quickly grow new, pearly white roots, if treated well. Re pot the plant firmly into its pot, by packing as much potting mix around it as possible. Don't plant it too deep in the mixture, but even worse, don't plant it with the bulbs too far above the surface of the potting mix. During the process, remove any old leaf husks, and any damaged or badly yellowing leaves. If a plant is left with not enough roots to firmly hold it in the pot, without swaying, insert a stake firmly into the growing mix, and tie the leaves to the stake. Plant movement, relative to the pot will break off the new roots, as they appear. Make sure newly potted plants are watered very regularly. There was a belief many years ago, to water recently potted plants sparingly, and force them to seek moisture, by growing long roots. That just does not happen. A dose or two of seaweed extract at this time is very beneficial. Fertilise regularly, but do not dose heavily. We find that most private growers fertilise at a rate, higher than what is good for your orchids. An old rule of thumb, of fertilising at half the recommended rate is most appropriate. Locally, we are getting great results, using the new fertilisers prepared by Neutrog. Seamungus is great from the end of flowering, until the end of January, then swap to Strike Back for Orchids, until flowering finishes. It is now available, nationally.

Check also at this stage for pest infestation. Scale can be a problem. It can be wiped off, or treated with a good insecticide, and an oil such as eco, pest, or white oil. Give all the foliage a good spraying, to remove dust, grime & insect populations

b. Plants which were big enough to flower in the last season, but failed to do so, need extra consideration. The grower

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This grex, bred from (Valley Zenith 'Green Orb' x Operetta), is one of many quality items from the same cross.

New seedlings are now flowering almost daily so there is always something to see.



For the past two years we have been making considerable changes to our nursery, we have doubled our growing capacity already and further expansion is planned for the future.

In spite of a horrific summer, and severe water restrictions we have an excellent crop of flower spikes at various stages of growth. A host of new stud plants will be available to us from various genera.

Watch for our redesigned Web Site. It will now include downloadable, printable catalogues in PDF format, and, we will be adding new photos periodically.

Because of our expansion program, and damage to our stock during summer, we will need to retain more of our flask material than usual hence some items will be in short supply.

Those who grow Zygopetalums should watch for an up and coming **very** special seedling Compot offer planned for late Spring! Details in our **new** Web Site in due course!

Those wanting regular e-mail lists should contact us indicating the specific genera lists required.

Visit our Web Site: [www.glenorchids.com.au](http://www.glenorchids.com.au) which is in the process of being updated and expanded. Email us at: [glenorchids@nex.net.au](mailto:glenorchids@nex.net.au)

Phone: (03) 9782-2668

For directions to our Nursery see: Melways Map: 136 G-3



Good root system



Rootbound

needs to try and establish why it did not flower. It could just be that it is a shy flowerer. If so consider culling it and replacing it with a more free flowering variety. Go through all the steps detailed previously, and hope it improves it's flowering in the future, but keep records of its non performance. If it continues to underperform, discard it. Don't try to sell it or give it to

someone else.

c. Plants which previously were not large enough to flower, should be potted on into bigger pots, and placed in a good position in the growing area. If the grower has selected new varieties well, these could be the new stars of your collection, and give you a good chance of winning a major prize at a show. Treat them as well

as you possibly can. Some may be previously unflowered seedlings. If you are lucky to get a good one, it could be the start of a special time for you.

Make sure all plants are not overcrowded. All plants expected to flower in the oncoming season, should be positioned at least a pot diameter, away from it's neighbour.



## Strike Back for Orchids™

**Ideal for all potted flowering and fruiting plants – not just orchids.**

Neutrog commenced development of Strike Back for Orchids in early 2006 through establishing trials with various commercial orchid growers and via the members of a number of Orchid clubs throughout Australia.

Success in these trials has resulted in Strike Back for Orchids being recommended and endorsed by the Cymbidium Orchid Club of SA, the Cymbidium Club of Australia and the Cymbidium Orchid Society of Victoria.

Strike Back for Orchids is an organic based, chemically boosted fertiliser, specifically developed to enhance the growth and flower development of orchids. It is a complete orchid fertiliser and it's all you'll ever need.



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Bad roots



To be dehusked

### 7. Preparing plants coming in to flower

Once your flower spikes have appeared, it is important to look after them well. There are lots of hazards ahead for them, and good attention to detail will pay big dividends. Inserting a stake, into the potting mix, alongside each spike, easily identifies where each flower spike is located. It can also act as protection for the spike, and enables early training. Be careful not to tie the spike too firmly at this early time. Many spikes grow quickly, and if it is tied tightly to the support, the spike will bend – sometimes they will break.

Many flower spikes appear during the hotter and drier periods of the season. Make

sure the plants are watered heavily in this time. We water every day during the very hot months. They should be watered sufficiently, so that water starts running out of the bottom of the pot. In extreme temperatures, we also water for short periods (2 minutes or so), every hour, from 10am till 4pm, to cool the plants. Recently we installed foggers, which just produce a mist, and don't even wet the foliage, but provide a huge amount of cooling. They work similarly to an evaporative air conditioner, and also greatly increase the humidity. We water very early in the morning at this time. Start time 2am. Note – some areas have water restrictions, and watering must com-

ply with the supply authority rules. It can be difficult and certainly not ideal.

Once the spikes appear, a blossom booster fertiliser is best used. This has higher levels potassium, the K part of the NPK component of all fertilisers. Again fertilise at a rate of about half of what is recommended by the manufacturer, but do it regularly – at least once per week.

The grower needs to be particularly vigilant at this time for pests. Slugs and snails will damage new flower buds very badly and quickly, if allowed to build up in significant numbers. Most growers spread baits. We mix the green metaldehyde based baits, with the blue Baysol type



Well spaced out plants





Dehusked

baits, and spread them every four or five weeks.

Many growers do not want to acknowledge that they may have rats and mice in their garden. Unfortunately most neighbourhoods have them, and they love to eat new flower spikes, and even entire bulbs. Strategically located, waterproof bait stations, maintained throughout the year, will greatly minimise the chances of rodent attacks.

Continually check the progress of the flower spikes. As the buds emerge from the sheath, they are most susceptible to damage. If possible, bring the plant out of the weather, into a dry, protected flowering house. Keeping the buds dry, helps eliminate damage to the buds. Continually train the flower spike, to assist it to present itself to best advantage.

Many plants with green, or white flowers, can suffer discolouration, on the back of the flowers, if exposed to strong light conditions. This is referred to as staining. Flowers with staining will be penalised by orchid judges. Not all greens and whites stain. Those which do, should be placed in a darker position in the flowering house, or an umbrella structure can be constructed over them to shade the buds.

Careful attention in the lead up to flowering will help get better results from the judges. Don't waste your previous efforts. Spend as much time as possible when the flowers are nearing opening. The more you see them, the more likely you will be, to spot a problem quickly, and be able to fix it.

#### 8. Orchid club shows and what can be learned from attending a good show

By attending shows, you should be able to establish what to aim for, to achieve success. Attend as many good shows as possible, and ask questions about the winning plants, particularly where you might be able to buy them and other similar varieties. Major shows, particularly the national shows, are where you will see the best. Take lots of photographs (be careful

## CYMBIDIUMS AUSTRALIA

in shopping centres – permission may be necessary). Being able to photograph lots of good orchids is a huge resource. A tripod is a very useful tool to assist in getting quality photographs, particularly if the lighting is poor. Make sure you note the name of the flower, but also the grower details. Most plants are labelled, with the plant name, but also the grower number. Club officials will usually assist, to contact the grower. They may be able to suggest where you can purchase particular plants.

Many clubs conduct demonstrations during a show, often demonstrating how to divide a plant, or how to care for it. Some clubs promote a special workshop, or special meetings for beginners, after their shows. Shows are also a great way to make contact with a club, or particular club members. If you are looking to get involved in orchid growing, be prepared to make contact, and ask questions. Most club members are very friendly and very helpful.

#### 9. Improving your collection

The quality of cymbidiums is improving every year. If you want to be competitive, any grower needs to be continually researching what might win in the future, and purchase superior new varieties. Unless you can expand your growing area, if you get a new plant, you need to get rid of one. Please don't think you can just keep squeezing more in. They will be crowded, and all will perform badly. You will need to become a good judge of what to keep, and what to discard. Good records or at least, a good memory is advantageous. This is where the information collected at the good shows can be used. Find out if any winning plants are available, or if even better ones might soon become available, and purchase them quickly before others do. The internet is a huge source of good (and bad) information. Be prepared to talk to suppliers, and ask questions about their plants. Many will readily

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advise you of new plants they have in the pipeline. The growing of good quality seedlings can be a way to really launch yourself into being highly competitive. If you manage to grow some excellent seedlings, you will be right up there with the best growers. Look to purchase from suppliers who have a good reputation. Beware of suppliers who are not active in the orchid movement, particularly those who purchase small plants from other, well credentialed growers, and mass produce them, before testing them. This is commonly referred to as tissue pirating, and plants produced by this process are at risk of being mutated, and of poor quality. It is not illegal, but many consider it unethical. Hybridisers delay the release of many new varieties, to protect their plants from this practice, which is not good for the general orchid growing members. Club members can assist to minimise this practice by refusing to purchase plants from pirated tissue.

As I said at the start of this section, cymbidiums are improving every year. Grasp and enjoy the rewards from this improvement.

Graham Morris,  
Valley Orchids. S.A.

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*Cym. Gaddon Loch 'Chailey'* – light pink – 14cm flower

## News from the “Old World of Cymbidiums”

Text and pictures by Jim Durant, McBeans

Just a brief communication to let you know what's happening in the “Old World of Cymbidiums” at McBeans (my 37th year here.)

Although we are situated in the south of England, we have just experienced one of the coldest winters in many years, recording 53 overnight frosts with 14 nights of  $-5^{\circ}\text{C}$  and four nights of  $-9^{\circ}\text{C}$  which is not so good with regards to oil consumption.

We are continuing our large flower cymbidium breeding program, but most production is based on the miniatures. Obviously our plants are sold as indoor pot plants, thus as a rule, the smaller the plant the better, our miniatures outsell the larger cymbidiums many times over. In fact the smaller the plant, the higher the demand and price, with the big plants having a very small market and currently don't justify their additional growing space. But we continue to breed newer varieties aiming

for a more compact plant.

We have just come to the end of our main flowering season (mid April) with great results at our shows, including Kew and the London Orchid Show. In fact, we have just been awarded the Lawrence Medal for the best display in all shows for 2008.

We have noticed a great interest in open old-fashioned flower shapes rather than the later cupped shapes, and sell every *Cym. lowianum* as soon as it flowers.

At McBeans we grow in a bark, peat and perlite mix which gives us a good controlled growth, and our customers are familiar with the more traditional growing media. We flower our mini cymbidiums three years from flask, and four years from flask for the large flowered cymbidiums. Often we cut and sell the single flower spikes, preferring to sell plants on the second flowering with two or three spikes.

As you can see from the accompanying photographs we have developed some strong large flowers through our ongoing breeding program. We just need to reduce the plant size to meet the demand. We have increased our *Odontoglossum*, *Odontioda* production, along with a few *Paphiopedilum* to add to the *Phalaenopsis* for our sales through the summer until the miniature cymbidiums start flowering in September/October.

Due to the cost of oil, we have reduced most of our night temperatures through the winter, running  $12^{\circ}\text{C}$  in the seedling houses and as little as  $7^{\circ}\text{C}$  in the mature cymbidium houses with little effect on the plants, as long as we keep the greenhouses as dry as possible through the night.

Kind regards to all.

Jim Durrant  
McBeans Orchids  
[www.mcbeansorchids.co.uk](http://www.mcbeansorchids.co.uk)



Above: *Cym. Loch Ericht*  
'Saxony' – peach –  
14 cm flower



Right: *Cym. Loch Maree*  
'Piltown' – rose pink –  
19cm flower



**Right:** *Cym. Loch Coruisk*  
'Lewes' – white – 19cm flower



**Below:** *Cym. Loch Torridon*  
'Pewter' – bronze –  
18cm flower





**Above:** *Cym. Loch Torridon 'Barcombe'* – green/yellow – 19cm flower

**Left:** *Cym. Loch Maree 'Pink'* – 19cm flower





**Right:** *Cym. Christmas Joy* – rose pink striped – 17cm flower

**Below:** *Cym. Loch Boisdale 'Lewes Ember'* – red – 14cm flower





Left: *Cym. Loch Tummel* – strong yellow – 16cm flower







Above: *Cym. Loch Torridon 'Peach'*



Left: *Cym. Loch Torridon 'Peach'* – round flower – 16cm flower

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**Right:** *Cym. Coruisk* 'Massive Cream' –  
21cm flower

**Below:** *Cym. Loch Coruisk* 'Massive Cream'



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*Cym.* (Hove x Claude Pepper)

## A Favourite Cymbidium and an Old Friend

Text and photograph by Rob Smith

We were putting this issue together at the end of April, beginning of May and a dear old friend tends to come to mind more often than usual at this time. Dean Roesler passed away on the 25th of May 2005.

Thinking of Dean also reminded us that we need to send off some cymbidium hybrid registrations, one of which is a crossing of Deans from some years ago. The hybrid in question is *Cym.* (Hove 'Gold Lamb' x Claude Pepper 'Chariots of Fire') and while none of the seedlings we flowered from this cross will ever win a show, they have remained among our favourite cymbidiums for the past six or seven years.

As Dean often used to say, "Seen Any

Good Orchids Lately"? and in the case of this cross of his we'd have to answer, "Yes we have".

OK, so the flowers aren't huge, only around 95mm and the shape, while attractive, isn't going to win any quality awards, but the plants are compact, vigorous and floriferous. Up to eight or nine spikes are common on a plant in an eight inch pot, with around 15 to 20 flowers per spike. The colours across the ones we flowered ranged from yellow to apricot and copper, most with varying degrees of splashing or blushing on the petals and sepals and all had that lovely *Cym. lowianum* inspired Claude Pepper labellum. Knowing how Dean often approached his hybridising we can imagine him looking at the two parent

plants in flower and saying to himself, "Now if I could only get that labellum on that flower..."

Sometimes the flowers and plants we like the most aren't necessarily the show champions or award winners, but the attractive and honest, reliable producers like this one.

The form has gone in with the choice of names being "Kalbeeba Kid" or "Kalbeeba Sunset" and some of the seedlings with the clone pictured here as one parent should flower in the next couple of years, so hopefully the line will continue. ■

Rob Smith  
aussiecyms@internode.on.net

# Buying Cymbidiums, Buyer Beware

by Rob Smith

**B**efore I begin I'll admit that some may find the comments and views in this article to be contentious, but please remember that any criticism included here is directed at a minority of cymbidium (and other orchid) sellers and producers. The majority of cymbidium hybridisers and commercial cymbidium plant nurseries are honest, trustworthy and maintain ethical standards, but there are those, (as in any area of business) who are not and who get everyone else a bad name by association. Graham Morris touched on an area of concern relating to pirating mericlone tissue in part three of his series for beginners included in this issue and his comments inspired my comments here. (But please don't blame Graham!)

For the benefit of newer growers, or any grower who may not understand the mericlone process, here is a brief overview. Cymbidiums along with some other orchid genera can be cloned from plant tissue as explained by Graham Morris in our last issue. Such cloning is undertaken when a particular plant has shown desirable traits which would lead to it being in demand. Mericlone allows for the production of hundreds or even thousands of exact copies of the plant in question, with the producer then being able to make the resulting clones available within a couple of years, rather than those who may wish to own the plant having to wait many years for the chance of acquiring a division, or struck backbulb of it. Responsible producers will normally only produce a few hundred clones from an initial meristem source, others may keep re dividing the tissue to produce thousands. As mutation is a possibility in the mericlone process, especially when excessive numbers of clones are made, it is a risky and irresponsible practice to then produce more clones

from the immature and unflowered mericlones produced initially. Some would argue that all clones should only be produced from the original plant, others believe that re cloning clones is acceptable as long as the clones have been grown to maturity and flowered and are proven to be fault free reproductions of the original. I don't claim to be enough of an expert on mericlone to offer an opinion on that debate, but I doubt that re cloning unproven clones is a safe and ethical practice.

If you are buying mericlones I can only recommend that you buy from reputable sources. The majority of major nurseries fall into this category. Word of mouth, particularly from respected persons within orchid clubs will also put you on the right track to sourcing responsible nurseries and sources. Ethical and reliable producers far outweigh the "dodgy" ones and generally, the dodgy ones will not be active and contributing members of orchid clubs, donating their time and efforts to the clubs good, or the promotion of cymbidium growing. Club members may be reluctant to pass negative comment on someone, but it is often the case that what is not said says more than what is said.

Of course not all cymbidiums you see for sale will be mericlones and not all cymbidium sellers will be an established nursery you either visit or deal with via mail order. Where you buy your orchids can also increase your risk of ending up with less than desirable plants. There are also plants which you will find available for sale in hardware chain stores, supermarkets and other retail outlets, or trash and treasure markets and the like and many of those plants may in fact flowering seedlings, often of extremely poor quality, but dumped on the market for sale to the general public, who don't know enough to recognise this fact. While a commercial nursery person wants and needs to get a return on the plants he/she grows, many of these plants really belong in a dumpster, not for sale. Long term this practice is short sighted to say the least, many of these plants will be lucky to survive under less than ideal culture and many may never flower again if they do survive. All the sale of sub standard cymbidiums (or any other sub standard plant) does is to increase the likelihood that the buyer will become disheartened and possibly give up on growing orchids, believing that they do not have the necessary "green thumb" to become successful with orchids. Long term this is harmful to every cymbidium, or other

orchid nursery. While some people might protest at these remarks, just about every orchid enthusiast knows it to be true. On any weekend during the orchid season people can be seen carrying orchids to their cars in any major suburban shopping or garden centre and many of these orchids will be in the rubbish bin within weeks or months, after their "funeral flowers" have finally died. (For the benefit of newer growers the term "funeral flowers" refers to a weak or dying plant attempting to produce flowers and set seed with its last ounce of energy.) Many of the remainder which do survive will be runts, or the result of unsuccessful breeding and may rarely produce flowers again, or at best produce a few weedy sub standard flowers on the occasional spike. There are some reputable nurseries which supply to major garden centres, or chain stores and not all orchids from these sorts of outlets will be rubbish, but the sad truth is a lot of them are and unfortunately they will end up being bought by people who don't yet know how to tell a healthy, or descent orchid from an unhealthy one, or a dud. Sadly it is often the case that orchids from major chain store type outlets won't even be bargains. It is often possible to buy quality orchids from specialist nurseries for the same, or only a little more (sometimes even less) than the prices charged at these stores.

Once again the recommendation to buy from reputable and established nurseries and hybridisers is good advice. If I sound like an advocate for the nursery industry I'm sorry, but the fact is that people with a reputation to protect usually try their best to do just that and won't be knowingly caught selling rubbish.

While most of my comments are essentially negative, the reality is that there will always be those who will do the wrong thing. Just because we are talking about an industry based on the production of living growing things of great beauty doesn't mean that there won't be the odd person involved who won't try to make a buck any way they can. But it must be remembered that the unscrupulous are the minority. That doesn't mean they should be tolerated, or that we should turn a blind eye to them. In fact the reverse and perhaps orchid clubs should be taking the lead in identifying those who do not meet suitable standards within the industry, even if on occasion they do happen to come from within our own ranks?

**Rob Smith**

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## Australian Natives

The middle of winter is a fairly quiet time on the native orchid scene. While there aren't many epiphytes in bloom, there are lots of terrestrials in all their extraordinary forms to be seen now. The culture of these is very different to the epiphytic natives and many are impossible to maintain in cultivation, although a few, such as *Pterostylis nutans*, are easy enough to grow if you can provide the care they need. As most of these plants are deciduous over summer they don't have the water demands of other natives such as the *Sarcanthinae*. But then, not everyone is content to look at pots of bare dirt for a couple of months either.

There is much to native orchid culture that means trying to beat the natural climate of where you live. Growers love plants that originate from areas vastly different to where they live. They will choose very showy plants of tropical origin to grow in temperate areas, meaning the need for artificial heat. Even our cool-growing natives may need protection in many inland areas. While the minimum temperatures of the areas they come from seem quite low, the plants grow in protected niches where they get warm sunlight, often in the morning, and are out of chilling winds. There is usually good tree cover providing protection from frost. You need to be aware of the conditions in your growing area and know what your collection needs to thrive. The challenge is to ensure that they are at their best and not just surviving. This gets more complicated as hybrids of mixed parentage continue to increase. Do they take after the warm or cool growing parents? As hybrid complexity increases they will become more standardised in cultural requirements as has occurred with other groups of orchids such as cattleyas where there are warm and cool growing ones selected for their flowers and not usually the species they originated from, unless you are into species growing and this is a separate interest in itself that can be very rewarding. Watch and study them to learn what they need. This is what orchid culture is about.

Many growers who work don't get to see much of their plants in daylight at this time of year so it is important to get into the bushhouse whenever you can to be sure things are OK. Check for plants that don't get any warm winter sun. Look for the effect of summer growth on nearby trees. The low angle of the sun can mean a small amount of growth on a neighbour's tree can block sunlight. Dealing with that kind of problem may need some diplomacy and creativity. It might just be your own larger plants that cause problems.

This is the time when the spring flowering natives develop their racemes so care is needed to ensure they are not damaged. Watch that they don't get tangled in the leaves and growths of plants. Gently release them if they do. They are best straightened out early so they can develop properly. Be careful as the racemes are very brittle and can snap off. Continue to clean up any dead leaves and pseudobulbs. Remove any ferns and weeds from your pots.

Take care pests don't munch on developing flowers. Snails and slugs seem to enjoy taking a chunk out of the raceme so that it can no longer support the flowers. Aphids suck sap

and cause spotting or deformity of flowers. Fortunately most pests are less active in winter, but they will be out and about once the weather warms up and it is really annoying to care for plants all year only to have blooms ruined as they open.

During winter, natives need less water but remember that mounted plants dry out regardless and those blooms that are developing need some water. Water early in the day so it is absorbed before the cold of night and any frost can freeze and cause damage or kill plants. Fertiliser can be stopped over winter, let the water flush pots to freshen up the media a bit by washing out excess fertiliser left from summer. If it rains lightly and remains overcast, take the opportunity to get some extra water on plants if they are dry, as it will usually remain warmer overnight.

Get ready for repotting now. You will be glad you did when you start work later and find everything is just where you need it. If you wash pots (and who doesn't recycle when they have only had one healthy owner?) get into the warm winter sun and start scrubbing and soaking. Use gloves and be sure to disinfect with bleach or whatever you have so that you are sure they are really clean. Pots that had sick plants are best destroyed to remove the risk of passing on a virus or other disease.

Stock up on new, clean media in quantities to cope with the numbers of plants you will need to repot when flowering is over. It is very frustrating to spend a day repotting only to get to the last few plants and find that the grade of media they need has run out! Don't reuse potting media from orchids. Save it for ferns and other foliage plants that are kept away from your orchids or use it on the garden as water saving mulch. If an orchid is obviously sick, dispose of the media along with the plant so it won't come into contact with orchids again.

Be wary of changing to an entirely new media as there are many tales of woe out there amongst growers who thought they were onto something good only to find it didn't suit their growing environment and they lost many plants or years of growth. Water quality varies greatly so use anything drastically new with caution. The fertiliser you use can also have an effect.

This is not the time to repot or deflask unless you live in the tropics.

A heated or enclosed house will need to be watched to ensure humidity levels are maintained to suit the plants. Tropical natives are subject to wet and dry seasons, so keeping them dry over winter will both protect them from cold damage as well as imitate their natural environment.

Enjoy what blooms you have and prepare for the busy season ahead.

## Cattleyas

Cattleyas are still growing well with many of them in bloom... Keep plants under cover if possible. If plants are left out - spray with ENVY® every three to five weeks depending on ambient temperatures. If growing in a heated house - turn thermostat to 10°C. Watch your watering. Every seven to ten days should be sufficient. Every second week you could give your cats. a little potassium nitrate or sul-

phate at one gram per litre of water. Use the soluble product NOT granular form. The old K-D-L is all great for helping produce larger flowers with more intense colour. This product is now called AGRODEX-K 35.

It was good to see a lot of the old favourites flowering this year for Mothers Day. Maybe the large ...Bow Bells, Bow Best type plants are now coming into fashion again!

## Cymbidiums

Cymbidiums are now in full flight. Spikes everywhere, flowers nodding in the breeze. Yes! At last it is cymbidium time!

Stake all of your racemes. If possible do this from around 10am. This will minimize breakages. Place a few snail pellets around each raceme. Check all plants for bugs etc. before placing plants under cover. Once under cover, give plants plenty of light to increase size and colour. If possible face racemes to the north for maximum light. Give plants plenty of air space. TRY NOT TO JAM PLANTS TOO CLOSE TOGETHER. If you do, you will get twisted racemes, bent buds, and distorted flowers.

Now is the time to give plants an application of calcium. I like to use BIOMIN CALCIUM. One must use it on its own. The weekly rate is 0.01 gram per litre of water. If you are going to apply it every three or four months use the general rate of 0.5 grams per litre of water.

You can top dress your flowering plants with MERRI COTE. Apply every three to four months. This will help you to get bigger flowers.

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Keep plants just moist. This usually means, watering weekly on the east coast of Australia.

Now is the time to start getting your compost ready for the annual dividing and potting season. Remember, a lot of potting media that I saw last season had iron deficiencies. When mixing add 600 to 800 grams of ferrous sulphate per cubic metre of mix. You could also add 400 grams of MICROMAX to the mix. Check the pH after mixing and again before using. I like to keep my mix around pH 6.00 before using. Don't forget ZEOLITES help down in the root zone. ■

## *Paphiopedilum*

*Paphiopedilum* hybrids are well into their flowering season. Most of the whites and early greens will be in flower, together with some of the coloured varieties. Many of the modern hybrids, particularly those with spotted flowers, will not flower until spring. Flower quality depends upon several factors; those under your control at this time of year are watering, feeding, staking and light.

During winter *paphiopedilums* do not require frequent watering. Whilst the actual frequency will depend upon the weather, the type of housing and the state of the potting mixture, you must resist the temptation to pick up the hose unless the plants are moderately dry. When you do water, water early on a sunny day and water thoroughly. After every third or fourth watering allow the plants to drain for half an hour or so and then water with weak

Aquasol (about half strength).

Staking is important if you want to avoid asymmetrical flowers. Try to encourage the stems to grow upright from the start. You will be able to support the growing stem with a loose tie a couple of inches or so below the bud. When the stem is fully grown and the bud about to open, lean the pot forward about fifteen degrees or so and keep it in this position until the flower has been open about a week; this will cause the flowers to "look up" a little.

Adequate light is very important for quality flowers. If at all possible, the amount of shading should be reduced considerably from mid-May until early September. This will result in larger, brighter flowers and longer – yes, longer – stronger stems; the plants will also benefit by continuing their growth cycle, albeit at a slower rate, through the winter months.

Although potting is best left until spring, any plant which is not doing well should be repotted into fresh mixture as soon as it is noticed, no matter what the season. If the roots have rotted away, dip the "bare rooted" plant in Fongarid and stake it firmly.

As a general rule the green-leaved hybrids can be grown quite well in cold conditions provided they are protected from heavy frost. Those with heated glasshouses do not need more than about six degrees centigrade, although young seedlings will benefit from somewhat warmer conditions. *Maudiae* types are really warm growers and require about fifteen degrees to do well. ■

## *Phalaenopsis*

*Phalaenopsis* have just started to produce a new set of roots. Most phalies seem to be growing very well at the moment. Give plants a cool shock for a while to make them produce some new spikes. Here in Sydney I like to turn the heater on during the first week of June. I usually set the thermostat to 15°C. By the end of June turn the knob around to 18°C. I turn the humidistat to come in at around 70% R.H. Remember, the heater dries the plants out.

I seem to be watering every five to seven days at the moment. During June – July they will be fertilised weekly with GROWTH BLOOD & BONE at 3ml per litre of water.

Make sure plants get plenty of light. Remove all shading. Good air circulation during winter is very important.

Watch for little grubs on the spikes and under the leaves. Spray with DIPEL® but only in the evenings after the sun has gone down. Most growers mix ECO OIL® with their DIPEL®.

BUT BE CAREFUL OF OPEN FLOWERS AND BUDS! ■

## *Vandaceous*

**Watering:** Cut back on watering during cooler months. Depending on local conditions, a good watering every three days should be sufficient. Water only in mornings. Avoid watering at all on cold or bleak days.

**Light:** Strap leaf vandas and ascocendas require 50% shade. If you wish to move narrow leafed vandaceous plants (i.e. terete and semi-terete vandas, Mokaras, Arandas, etc.) from a shade house to full sunlight, then now is a good time to move them.

**Fertiliser:** Reduce fertilising to once per fortnight alternating between –

- (1) Inorganic low nitrogen – Campbells A, Flowfeed HP8, Aqua K or Phostrogen.
- (2) Wuxall, Nitrosol or Fish Emulsion.

**Pest Control:** Spray with a fungicide every six weeks e.g. Daconil, Ridomil MZ WP, Mancozeb or Wettable Sulphur.

If insects or scale are a problem spray with Diazanone, Malathion or Pyrethrum.

Watch for mite damage (i.e. Red Spider, false spider, etc.) and treat with a miticide such as Kelthane or Tediol. ■

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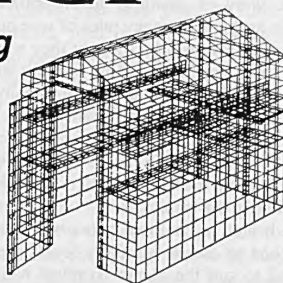
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**June 5-8** 44th Tropical Queensland Conference & Show – Atherton Qld

**June 27-28** Mingara Orchid Fair – Mingara NSW

**July 12** Tinonee Orchids Open Day & Show – Tinonee (near Taree) NSW

**July 26** Hills District Orchids Winter Open Day – Northmead NSW

**August 7-9** Cymbidium Club of Australia – Dural Recreation Centre, Round Corner, Dural

**August 14-16** St. Ives Orchid Fair – St. Ives Showground NSW

**August 21-23** OSCOV Melbourne Orchid Spectacular – Springers Leisure Center, Keysborough Vic

**September 5-6** National Cymbidium Show – Springvale Town Hall, Springvale Vic

**September 5-7** Den. Speciosum Spectacular – ANOS Mid North Coast, Kempsey, NSW

**September 8-13** 18th Australian Orchid Conference & Show – Maribyrnong Vic

**September 11-13** Queensland Orchid Society Spring Show – Coot-tha Botanic Gardens, Qld

**September 27** Hills District Orchids Spring Open Day – Northmead NSW

**October 9-11** Southern Orchid Spectacular – Woollooware (Cronulla) NSW



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